



*Product catalog*





As a trader of lubricants, during the years Ardeca NV has grown out to be one of the leading distributors in Belgium. Already since the founding of Ardeca NV in 1988 it was clear what should be achieved; a company that takes Quality, Flexibility, Service and Reliability close at heart. Still today these four values are central in our daily operation. As a result of this, the company has built up a very positive image and a strong market position both in the local market Belgium and abroad.

In order to keep up with the growing demand for products, the company developed its own brand Ardeca Lubricants. With Ardeca Lubricants, the company succeeds in offering a wide range of products, thus being able to supply as many different clients as possible on a continuous base. During the years Ardeca Lubricants managed to secure a place on the international market, with distributors in various countries across Europe, Africa, Asia, The Middle East, North and Latin America.

**Ardeca NV is a family business, 100% private owned.** Family Vandecasteele (Hein, Sofie and Arne) sets the goal for further development and growth of the company. Ardeca NV is still expanding as well on the export market as on the local market, with clients gathering from every corner of the commercial world garages, transport companies, constructors, distributors, the agricultural sector and the industrial sector.

This wide client base receives **the best of service by the Ardeca Lubricants motivated team**, to consolidate the business relation and expand it. Together with the customer, we look for new business opportunities following the demand of the local market. This way, Ardeca NV as your partner, offers an important added value to the world of the lubricants trade.

“**Ardeca lubricants  
for a changing world”  
made in Belgium**”



<b>6</b>	<b>Passenger car</b>	<b>60</b>	<b>Industrial oils</b>
<b>8</b>	FULL SYNTHETIC	<b>61</b>	HYDRAULIC OIL
<b>16</b>	ESTER BASED	<b>64</b>	GEAR OIL
<b>17</b>	CERAMIC BASED	<b>66</b>	HEAT TRANSFER OIL
<b>18</b>	SYNTHETIC BASED	<b>67</b>	COMPRESSOR OIL
<b>19</b>	MINERAL	<b>68</b>	MEDICAL WHITE OIL
		<b>68</b>	SLIDEWAY OIL
		<b>69</b>	ANTI ASPHALT ADHESIVE
<b>22</b>	<b>Heavy duty</b>	<b>70</b>	<b>Greases</b>
<b>24</b>	FULL SYNTHETIC	<b>71</b>	LITHIUM BASED
<b>26</b>	SYNTHETIC BASED	<b>72</b>	LITHIUM COMPLEX BASED
<b>27</b>	MINERAL	<b>72</b>	LITHIUM CALCIUM BASED
<b>30</b>	<b>Automatic transmission</b>	<b>74</b>	<b>Winter products</b>
<b>32</b>	FULL SYNTHETIC	<b>75</b>	ANTIFREEZE
<b>34</b>	SYNTHETIC BASED	<b>76</b>	COOLANT
<b>35</b>	MINERAL		
<b>36</b>	<b>Manual transmission</b>	<b>78</b>	<b>Specialties</b>
<b>37</b>	FULL SYNTHETIC	<b>79</b>	ADDITIVES
<b>38</b>	SYNTHETIC BASED	<b>80</b>	AEROSOLS
<b>39</b>	MINERAL	<b>82</b>	CAR CARE
		<b>84</b>	BRAKE FLUID
<b>42</b>	<b>2 stroke &amp; 4 stroke</b>	<b>85</b>	GLASS CLEAN
<b>43</b>	2 STROKE	<b>85</b>	POWER STEERING FLUID
<b>44</b>	4 STROKE	<b>86</b>	AIROPACK
<b>48</b>	FORK OIL		
<b>50</b>	<b>Marine</b>		
<b>51</b>	OUTBOARD		
<b>51</b>	INBOARD		
<b>54</b>	<b>Agricultural</b>		
<b>56</b>	UTTO		
<b>57</b>	STOU		
<b>58</b>	CAT		
<b>59</b>	CHAIN SAW		
<b>59</b>	GARDEN		





## How to read the packaging



### Engine Oils



Lubricant which is compatible with different after-treatment systems such as DPF, EGR, DOC & SCR



Lubricant especially designed to fulfill the latest standards of hybrid vehicles, typically low viscosity grades including API SN Plus & API SN RC



Ready-mixed lubricant including ceramic boron additive which supports strong reduction of engine noise and internal friction



Designed for racing purposes characterized by double ester content and stable in extreme conditions

### Winter Products



Concentrated fluid



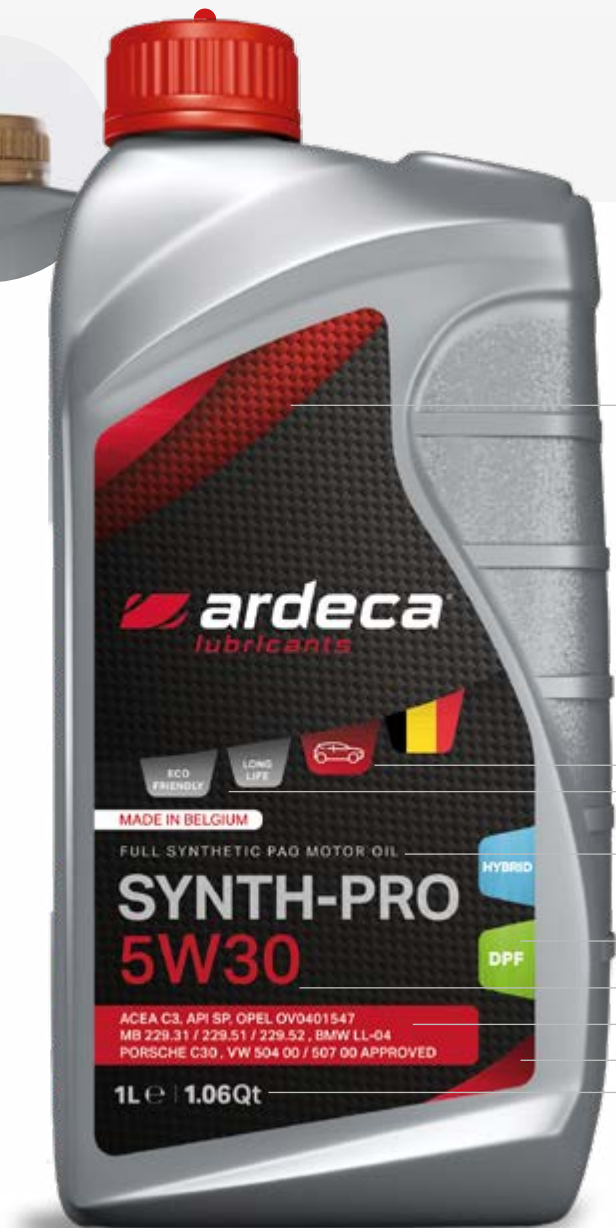
Concentrated fluid



Diluted fluid including a certain amount of demineralized water



Diluted fluid including a certain amount of demineralized water



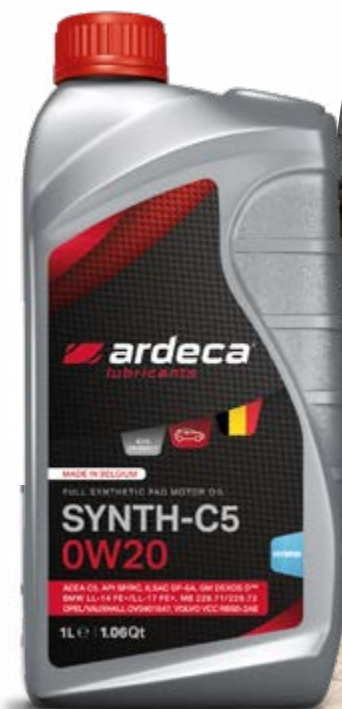
- PRODUCT CLASSIFICATION
- PRODUCT CHARACTERISTICS
- PRODUCT DESCRIPTION
- PROPERTY
- VISCOSITY
- PERFORMANCE LEVEL
- CONTENT
- VOLUME



# Passenger car

- 8 FULL SYNTHETIC
- 16 ESTER BASED
- 17 CERAMIC BASED
- 18 SYNTHETIC BASED
- 19 MINERAL

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



# Product Characteristics



- ECO FRIENDLY Products with focus on the latest innovations, hybrid range
- LONG LIFE Products with longlife technology approved by OEM
- ESSENTIAL Products at 'budget level', commodities
- FUEL ECONOMY Products including A5/B5 + A1/B1
- DOUBLE ESTER Products for racing purpose
- CERAMIC TECH. Products ready mixed with boron compounds



Full synthetic

SYNTH-PRO  
0W20



VW 508 00 / 509 00 APPROVED

A fuel economy, universal motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives.

PERFORMANCE LEVEL

ACEA C5, API SN, SN+  
FIAT 9.55535-DM1  
FORD WSS-M2C956-A1  
VW 508 00 / 509 00  
PORSCHE C20

VISCOSITY at 100°C mm²/s	7.93
FLASH POINT	220 °C
POUR POINT	-57 °C
VISCOSITY INDEX	179

SYNTH-PRO  
0W30



VW 504 00 / 507 00 APPROVED

A fuel economy, universal motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives.

PERFORMANCE LEVEL

ACEA C2\*/C3, API SN/CF  
VW 504 00/507 00, PORSCHE C30  
MB 229.31/229.51/229.52  
FIAT 955535.GS1 / DS1  
\*DOES NOT EXCEED FE OF ACEA C2

VISCOSITY at 100°C mm²/s	12
FLASH POINT	195 °C
POUR POINT	-51 °C
VISCOSITY INDEX	178



SYNTH-PRO  
5W30



VW 504 00 / 507 00 APPROVED

A fuel economy, universal motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives.

PERFORMANCE LEVEL

ACEA C3, API SP, MB 229.31 / 229.51 / 229.52, BMW LL-04  
PORSCHE C30, OPEL OV0401547-D30/G30, VW 504 00 / 507 00

VISCOSITY at 100°C mm²/s	12
FLASH POINT	230 °C
POUR POINT	-42 °C
VISCOSITY INDEX	171

SYNTH-PRO  
5W40



VW 504 00 / 507 00 APPROVED

A fuel economy, universal motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives.

PERFORMANCE LEVEL

ACEA C3, API SN/CF, BMW LL-04  
GM DEXOS 2™, MB 226.5  
MB 229.51, MB 229.52  
PORSCHE C40, RENAULT RN 700  
RENAULT RN 710, VW 511.00

VISCOSITY at 100°C mm²/s	13.5
FLASH POINT	222 °C
POUR POINT	-42 °C
VISCOSITY INDEX	191

SYNTH-DX  
0W40



VW 504 00 / 507 00 APPROVED

A universal synthetic motor oil, developed according to the most recent technology and based on specially selected base oils with a high natural viscosity index. With the addition of a well-balanced choice of advanced additives the following properties are obtained: a high and very stable viscosity index / a high resistance against shearing / a very fast cold start a safe lubrication film at very high temperatures reduced formation of combustion ashes / a very good detergency and dispersion / a very strong protection against wear, corrosion and foaming

PERFORMANCE LEVEL

ACEA C3, API SN/CF, BMW LL-04,  
GM DEXOS 2, MB 229.31 / 229.51  
PORSCHE C40

VISCOSITY at 100°C mm²/s	13.1
FLASH POINT	224 °C
POUR POINT	-51 °C
VISCOSITY INDEX	189



SYNTH-DX  
5W30



MB 229.52 AND  
DEXOS 2™ APPROVED

A full synthetic motor oil based on carefully selected very high quality base oils, formulated using the latest technology for Mid SAPS catalyst compatible engine oils. Its special formulation combines fuel economy with an extended service life. The reduced ash formulation protects particulate filters and exhaust after-treatment devices. This Dexos 2™ approved oil is required for all new GM / Opel / Vauxhall / Chevrolet diesel and gasoline models.

PERFORMANCE LEVEL

ACEA C2/C3, API SN/CF  
GM DEXOS 2™, BMW LL-04  
VW 502 00 / 505 00 / 505 01  
MB 229.51/ 229.52, RN17 LEVEL  
OPEL OV0401547

VISCOSITY at 100°C mm²/s	12.5
FLASH POINT	230 °C
POUR POINT	-36 °C
VISCOSITY INDEX	172

SYNTH-ULTRA  
5W30



A universal, fuel economy, specially composed motor oil, is recommended for use in petrol and diesel engines, with or without turbo-charging, in passenger cars and delivery vans with extended oil drain intervals. This motor oil also contributes to the extension of the lifetime of particle filters. Due to its special composition it is possible to apply this product for the VW 504.00/507.00 requirements, in practice also called VW Longlife III.

PERFORMANCE LEVEL

ACEA C2 / C3, BMW LL04  
MB 229.51, PORSCHE C30  
VW 504 00/507 00  
FIAT 9.55535-S1  
GM DEXOS 2

VISCOSITY at 100°C mm²/s	12.4
FLASH POINT	230 °C
POUR POINT	-39 °C
VISCOSITY INDEX	166

SYNTH-XL  
5W30



A full synthetic motor oil based on carefully selected very high quality baseoils, formulated to meet Euro 4 and Euro 5 norms and the demanding MB 229.51 specifications, and to ensure exceptional performance in terms of oxidation resistance, soot and sludge formation. It is a Mid SAPS oil of the latest generation with low sulfated ash, sulfur and phosphorus content. It provides complete protection of after-treatment devices and Diesel Particulate Filters.

PERFORMANCE LEVEL

ACEA C3, API SN, BMW LL-04,  
MB 229.51 / 229.31,  
VW 502 00 / 505 00 / 505 01

VISCOSITY at 100°C mm²/s	12.1
FLASH POINT	228 °C
POUR POINT	-39 °C
VISCOSITY INDEX	175

SYNTH-XL  
5W40



MB 229.51 AND  
VW 502 00/505 00/505 01 APPROVED

A full synthetic motor oil based on carefully selected very high quality base oils. It is formulated with excellent additives to meet the demanding requirements of the VW 505 01 specification in terms of resistance to oxidation, oil thickening and the formation of sludge in the engine. It is a Mid SAPS oil (sulfated ash, phosphorus and sulfur content), which corresponds to Euro 4 and Euro 5 norms. It provides reliable protection of after-treatment devices and Diesel Particulate Filters. the oil is very universal in use and can be used for petrol and diesel engines.

PERFORMANCE LEVEL

ACEA C3, API SN, API SN PLUS,  
BMW LL-04, FIAT 9.55535-T2/S2,  
FORD WSS-M2C917-A,  
MB 229.31/229.51/229.52,  
GM DEXOS 2, PORSCHE A40,  
RENAULT RN 0700, RN 0710,  
VW 502 00 / 505 00 / 505 01

VISCOSITY at 100°C mm²/s	14
FLASH POINT	232 °C
POUR POINT	-42 °C
VISCOSITY INDEX	175

SYNTH-EF  
5W30



A full synthetic motor oil based on carefully selected very high quality base oils. This is a Low SAPS oil for gasoline/LPG and diesel engines of passenger cars with or without turbo, requiring the lowest level of sulphated ash, phosphorus and sulfur and providing fuel economy.

PERFORMANCE LEVEL

ACEA C1, JAGUAR /  
LAND ROVER STJR.03.5005  
FORD WSS M2C 934-B  
JASO DL-1, MAZDA (DPF & FAP)

VISCOSITY at 100°C mm²/s	9.46
FLASH POINT	225 °C
POUR POINT	-35 °C
VISCOSITY INDEX	155





SYNTH-V  
0W20

FUEL  
ECONOMY

A fuel economy SAE 0W20 motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives

PERFORMANCE LEVEL

ACEA C5, API SP  
FIAT 9.55535-DSX  
VOLVO VCC RBS0-2AE

VISCOSITY at 100°C mm²/s	8.70
FLASH POINT	220 °C
POUR POINT	-45 °C
VISCOSITY INDEX	173



SYNTH-V  
0W30

FUEL  
ECONOMY

A full synthetic motor oil based on carefully selected very high qualty base oils that was especially developed to meet the requirements of Volvo passenger cars. It is characterized by increased lubricating properties and a better fuel economy. In this way it procures a reduced fuel consumption and a longer lifetime of the engine.

PERFORMANCE LEVEL

ACEA A5/B5, API SL, VOLVO VCC 95200377

VISCOSITY at 100°C mm²/s	10.3
FLASH POINT	220 °C
POUR POINT	-51 °C
VISCOSITY INDEX	178

SYNTH-C4  
5W30

LONG  
LIFE

This synthetic oil-based motor oil has been developed to meet the specifications of various OEMs. The low SAPS formula guarantees full DPF protection. Moreover, the fluidity at low temperatures guarantees easy starting in winter conditions.

PERFORMANCE LEVEL

ACEA C3/C4, MB 229.51/  
226.51, RENAULT RN 0720,  
FIAT 9.55535-S4

VISCOSITY at 100°C mm²/s	11.7
FLASH POINT	222 °C
POUR POINT	-45 °C
VISCOSITY INDEX	165

SYNTH-C5  
0W20

ECO  
FRIENDLY

HYBRID

A full synthetic motor oil well-suited for the newest Mercedes-Benz engines. The ultra-low viscosity grade enables the engine to run at high fuel-efficiency. This engine oil optimizes wear protection and engine cleanliness. This combination of characteristics will assist at keeping the engine in prime condition.Thanks to its low viscosity and outstanding fluidity this oil significantly reduces wear and ensures fuel savings and lower CO2 emission. Optimized additive package reduces soot and deposits whilst keeping the engine clean.

PERFORMANCE LEVEL

ACEA C5, API SP/RC,  
ILSAC GF-6A, BMW LL-17 FE+,  
FORD WSS-M2C947-B1,  
FORD WSS-M2C962-A1,  
MB 229.71/ 72, GM dexosD™,  
JAGUAR/LAND ROVER ST-  
JLR.03.5006 - STJLR.51.5122,  
OPEL/VAUXHALL OV0401547,  
VOLVO VCC RBS0-2AE,  
CHRYSLER MS-12145,  
FIAT 9.55535-GSX

VISCOSITY at 100°C mm²/s	8.30
FLASH POINT	222 °C
POUR POINT	-51 °C
VISCOSITY INDEX	179

SYNTH LL  
5W30

LONG  
LIFE

A full synthetic motor oil based on carefully selected very high quality base oils of the latest generation, for the lubrication of all gasoline and diesel engines with turbocharging. Due to the excellent fluidity at low temperature and low resistance at start this product is fuel saving. Exceptional viscosity index and high thermal stability.

PERFORMANCE LEVEL

ACEA A3/B4, API SL/CF, OPEL GM-LL-A-025 / GM-LL-B-025

VISCOSITY at 100°C mm²/s	11.7
FLASH POINT	242 °C
POUR POINT	-40 °C
VISCOSITY INDEX	163



SYNTH-MF  
5W20 / 5W30

ECO  
FRIENDLY

A full synthetic motor oil based on carefully selected very high quality base oils. This oil is extremely fuel-efficient and meets the requirements of the new Ford EcoBoost petrol engines. It ensures a reduction of fuel consumption on partial and full load operation as well as reduction of exhaust emission. It has excellent cold starting behavior giving a very good operating reliability.

PERFORMANCE LEVEL

5W20 ACEA A1/B1, C5  
API SP, FORD WSS-M2C948-B  
JAGUAR / LAND ROVER ST-  
JLR.03.5004

5W30 ACEA A1 / B1, A5 / B5,  
API SL / CF, FORD WSS-M2C913-C /  
D, RENAULT RN 0700, JAGUAR /  
LAND ROVER STJR.03.5003

VISCOSITY at 100°C mm²/s	7.9	9.7
FLASH POINT	220 °C	220 °C
POUR POINT	-39 °C	-45 °C
VISCOSITY INDEX	162	168

SYNTH- SP  
0W30

FUEL  
ECONOMY

HYBRID

This modern synthetic fuel economy motor oil is produced with special selected synthetic base oils and a well-balanced choice of advanced additives to obtain improved fuel economy. This fuel economy motor oil is recommended for use in petrol- and diesel engines, with or without turbo-charging, in passenger cars and delivery vans with the specifications as stated below.

PERFORMANCE LEVEL

ACEA C2, API SN PLUS, API SP  
ILSAC GF-5, MB 227.61/229.61  
BMW LL-12 FE, DTFR 15D100  
FIAT 9.55535-DS1/-GS1  
FORD WSS-M2C950-A  
JAGUAR STJLR.03.5007  
OPEL OV 040 1547 – G30

VISCOSITY at 100°C mm²/s	9.8
FLASH POINT	224 °C
POUR POINT	-48 °C
VISCOSITY INDEX	194

SYNTH-SX  
0W20 / 0W30

ESSENTIAL

A full synthetic motor oil based on carefully selected very high quality base oils. It is a "low saps", low viscosity engine oil of the latest generation, for the lubrication of gasoline and diesel engines. Significant fuel economy can be obtained, compared to standard motor oils.

PERFORMANCE LEVEL

0W20 ACEA A1/B1, API SN/RC,  
ILSAC GF-5, CHRYSLER MS6395  
FORD M2C945-A/M2C946-A/  
M2C947-A

0W30 ACEA A3/B4, API SH/CF,  
MB 229.3/226.5, VW 502 00 /  
505 00, BMW LONGLIFE-01,  
RENAULT RN0700,  
API SN/CF \*

\* API SN quality only; not-licensable  
due to phosphorus-limit

VISCOSITY at 100°C mm²/s	8.54	12.1
FLASH POINT	230 °C	232 °C
POUR POINT	-48 °C	-45 °C
VISCOSITY INDEX	162	175

SYNTH-SX  
0W40

ESSENTIAL

A full synthetic motor oil based on carefully selected very high quality base oils of the latest generation, with a large field of application. It offers an excellent fluidity at low temperature, which ensures instant lubrication after starting. This will bring wear to a minimum. Because of its low viscosity, it is fuel-saving.

PERFORMANCE LEVEL

ACEA A3/B4, API SN, BMW  
LONGLIFE-01, MB 229.5  
PORSCHE A40, RN 0700 /  
RN 0710, VW 502 00 / 505 00

VISCOSITY at 100°C mm²/s	14
FLASH POINT	232 °C
POUR POINT	-46 °C
VISCOSITY INDEX	173

SYNTH-SX  
5W30 / 5W40

ESSENTIAL

A full synthetic motor oil based on carefully selected very high quality base oils, providing outstanding wear and sludge protection, even under the most severe driving conditions. Due to its enhanced frictional properties, improved fuel economy is obtained.

PERFORMANCE LEVEL

5W30 ACEA A3/B4, API SN/CF,  
VW 502 00 / 505 00, MB 229.3/  
226.5, BMW LL-01,  
OPEL GM-LL-B-25,  
RENAULT RN 0700

5W40 ACEA A3/B4, API SN/CF,  
BMW LONGLIFE-01, MB 226.5/  
229.3, OPEL GM-LL-B-025,  
FIAT 9.55535-M2, PORSCHE A40,  
PSA B71 2296, RN 0700 /  
RN 0710, VW 502 00 / 505 00  
VW 505 01

VISCOSITY at 100°C mm²/s	10.9	13.7
FLASH POINT	228 °C	223 °C
POUR POINT	-45 °C	-45 °C
VISCOSITY INDEX	162	168



SYNTH-SPECIAL LGO  
5W30

ESSENTIAL

A full synthetic motor oil based on carefully selected very high quality base oils of the latest generation, for the lubrication of all gasoline and diesel engines with turbocharging. Due to the excellent fluidity at low temperature and low resistance at start this product is fuel saving. Exceptional viscosity index and high thermal stability.

PERFORMANCE LEVEL	
ACEA A3/B4, API SL/CF, MB 229.1, VW 501 01 / 505 00	

VISCOSITY at 100°C mm²/s	10.1
FLASH POINT	230 °C
POUR POINT	-33 °C
VISCOSITY INDEX	161

SYNTH-RN  
0W20

FUEL  
ECONOMY

A full synthetic, fuel economy motor oil, developed according the most recent technology, based on specially selected synthetic base oils to which advanced additives have been added to obtain improved fuel economy.

PERFORMANCE LEVEL	
ACEA C5, RENAULT RN17 FE	

VISCOSITY at 100°C mm²/s	8.3
FLASH POINT	216 °C
POUR POINT	-48 °C
VISCOSITY INDEX	190

SYNTH-BM  
0W30

LONG  
LIFE

This modern synthetic fuel economy motor oil is produced with special selected synthetic base oils and a well-balanced choice of advanced additives.

PERFORMANCE LEVEL	
ACEA C2, A5/B5, API SP/RC BMW LL-12 FE, DTFR 15D100 FORD WSS-M2C950-A ILSAC GF-6A, MB 227.61/229.61	

VISCOSITY at 100°C mm²/s	10
FLASH POINT	222 °C
POUR POINT	-45 °C
VISCOSITY INDEX	172

SYNTH-FMD  
0W30

ECO  
FRIENDLY

HYBRID

JAGUAR / LAND ROVER APPROVED

This fully synthetic, fuel economy Mid SAPS motor oil was developed in collaboration with Ford for the EURO 6 Duratorq TDCi engines in the latest models (2014 - ...) with exhaust after treatment and turbocharger. The high-tech VI improver provides high stability to ensure long oil change intervals. The product is especially suitable for the use of biofuels, the composition was formulated so as to prevent chain wear.

PERFORMANCE LEVEL	
ACEA C2, FORD WSS-M2C950-A JAGUAR / LAND ROVER ST- JLR.03.5007, FIAT 9.55535-DS1 FIAT 9.55535-GS1	

VISCOSITY at 100°C mm²/s	10
FLASH POINT	206 °C
POUR POINT	-45 °C
VISCOSITY INDEX	189

SYNTH-MS  
0W30

LONG  
LIFE

A full synthetic motor oil based on carefully selected very high quality base oils, specially developed for the PSA EURO VI Blue HDi DW10F engines with exhaust after treatment and turbocharger. This specification demands high stability to ensure long oil drain intervals. It also addresses the use of biofuels. There is a fuel economy benefit over a 5W40 reference oil of 4,2%.

PERFORMANCE LEVEL	
ACEA C2, API SP FIAT 9.55535-GS1 / -DS1 FORD WSS-M2C-934B PSA B71 2302 / PSA B71 2312 STJRL.03.5007 Honda, Mitsubishi, Suzuki, Toyota	

VISCOSITY at 100°C mm²/s	9.8
FLASH POINT	230 °C
POUR POINT	-51 °C
VISCOSITY INDEX	160



SYNTH-MS  
0W20

LONG  
LIFE

A low SAPS ACEA C5 passenger car engine oil focused on the most recent Stellantis / PSA specification B71 2010. Also suitable for diesel and gasoline engines from other car manufacturers which require an ACEA C5 SAE 0W20 oil.

PERFORMANCE LEVEL	
ACEA C5, API SP, FIAT 9.55535-DM1, PSA B71 2010	

VISCOSITY at 100°C mm²/s	8.3
FLASH POINT	232 °C
POUR POINT	-48 °C
VISCOSITY INDEX	170

SYNTH-MS  
5W30

LONG  
LIFE

A full synthetic motor oil based on carefully selected very high quality base oils. This high-performance engine oil with low viscosity is specifically developed to provide the highest fuel economy and lowest CO2 emissions.

PERFORMANCE LEVEL	
ACEA C2, API SN/CF, FIAT 9.55535-S1, PSA B71 2290, RENAULT RN 0700	

VISCOSITY at 100°C mm²/s	10.5
FLASH POINT	236 °C
POUR POINT	-45 °C
VISCOSITY INDEX	160

SYNTH-FPW9  
5W30

ECO  
FRIENDLY

This full synthetic motor oil is a high-quality synthetic engine oil developed for the Stellantis 1.5 BlueHDi diesel engine.This engine oil is also suitable for diesel and petrol engines requiring PSA B71 2290 approval.

PERFORMANCE LEVEL	
ACEA C2 / C3 BMW LONGLIFE-19 FE PSA B71 2290 STELLANTIS FPW 9.55535/03	

VISCOSITY at 100°C mm²/s	12.1
FLASH POINT	234 °C
POUR POINT	-45 °C
VISCOSITY INDEX	174

RACING-PLUS  
5W50

RACING

A full synthetic motor oil based on carefully selected very high quality base oils with a high viscosity index for the lubrication of gasoline and diesel engines with turbocharging. This oil is distinguished by an excellent fluidity at low temperature, which allows a perfect cold start, along with a high viscosity at hot engine.

PERFORMANCE LEVEL	
ACEA A3/B4, API SN/CF, BMW LL-01, PORSCHE A40, MB 229.3, VW 500 00/505 00	

VISCOSITY at 100°C mm²/s	17.3
FLASH POINT	223 °C
POUR POINT	-39 °C
VISCOSITY INDEX	188

HYBRID-FS  
0W20

ECO  
FRIENDLY

HYBRID

A full synthetic motor oil based on carefully selected very high quality base oils, offering the highest levels of fuel economy in passenger cars. Due to its carefully selected base oils and premium additives,it is designed to deliver outstanding engine protection against wear and deposits. Its exceptionally low viscosity allows it to be used the year round,also during very low temperatures in the wintertime.

PERFORMANCE LEVEL	
ACEA A1/B1, API SN/RC, ILSAC GF-5, CHRYSLER MS6395, FORD M2C945-A / M2C946-A / M2C947-A	

VISCOSITY at 100°C mm²/s	8.7
FLASH POINT	222 °C
POUR POINT	-48 °C
VISCOSITY INDEX	173



SYNTH-ECO G3  
0W20



A modern, synthetic, fuel economy motor oil based on special selected synthetic base oils with a high viscosity index and a well balanced choice of advanced additives to obtain the following properties: - a lower fuel consumption - a high and very stable viscosity index - a high resistance against shearing - a fast cold start - a very strong resistance against oxidation - a safe lubrication film at very high temperatures - a very good detergency and dispersion - a very strong protection against wear, corrosion and foaming.

**PERFORMANCE LEVEL**  
API SN Plus, API SP/RC, API SN/RC, API SP, ILSAC GF-5 ILSAC GF-6A, GM DEXOS 1™ GEN3 , CHRYSLER MS6395, FIAT 9.55535-CR1/ 9.55535-GSX, FORD WSS-M2C945-A FORD WSS-M2C946-A FORD WSS-M2C947-A FORD WSS-M2C962-A

VISCOSITY at 100°C mm²/s	8.6
FLASH POINT	222 °C
POUR POINT	-39 °C
VISCOSITY INDEX	178

SYNTH-ECO G3  
5W20



A modern, synthetic, fuel economy motor oil based on special selected synthetic base oils with a high viscosity index and a well balanced choice of advanced additives to obtain the following properties: - a lower fuel consumption - a high and very stable viscosity index - a high resistance against shearing - a fast cold start - a very strong resistance against oxidation - a safe lubrication film at very high temperatures - a very good detergency and dispersion - a very strong protection against wear, corrosion and foaming.

**PERFORMANCE LEVEL**  
API SP/RC, API SP, ILSAC GF-6A GM DEXOS 1™ GEN3 CHRYSLER MS6395, FORD WSS-M2C945A/B1 / WSS-M2C960-A1, FIAT 9.55535-CR1®

VISCOSITY at 100°C mm²/s	8.8
FLASH POINT	226 °C
POUR POINT	-33 °C
VISCOSITY INDEX	158

SYNTH-ECO G3  
5W30



A modern, synthetic, fuel economy motor oil based on special selected synthetic base oils with a high viscosity index and a well balanced choice of advanced additives.

**PERFORMANCE LEVEL**  
API SP/RC, ILSAC GF-6A, GM DEXOS 1™ GEN 3, CHRYSLER MS6395, FORD WSS-M2C946-A / WSS-M2C961-A1

VISCOSITY at 100°C mm²/s	10.7
FLASH POINT	221 °C
POUR POINT	-36 °C
VISCOSITY INDEX	168



SYNTH-ECO  
0W8



A fuel economy motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives to obtain the following properties: - a lower fuel consumption - a high and stable viscosity index - a good resistance against shearing - a very fast cold start, even at very low temperatures - a safe lubrication film at very high temperatures - a very good detergency and dispersion power - a very strong protection against wear, corrosion and foaming.

**PERFORMANCE LEVEL**  
JASO GLV-1

VISCOSITY at 100°C mm²/s	5,24
FLASH POINT	232 °C
POUR POINT	-45 °C
VISCOSITY INDEX	140

SYNTH-ECO  
0W16



A modern, synthetic, fuel economy motor oil based on special selected synthetic base oils with a high viscosity index and a well balanced choice of advanced additives

**PERFORMANCE LEVEL**  
API SP / Resource Conserving, ILSAC GF-6B, AN22

VISCOSITY at 100°C mm²/s	7.1
FLASH POINT	216 °C
POUR POINT	-39 °C
VISCOSITY INDEX	154



SYNTH-ECO BLUE  
0W20



JAGUAR / LAND ROVER APPROVED

A full synthetic motor oil for the newest engines requiring ACEA C6. Prolongs the life and maintains the efficiency of emission systems. Outstanding engine cleanliness, wear protection and durability Superior fuel economy and CO2 reduction Cold start : excellent fluidity at low temperature Full aftertreatment device protection Protection against LSPI (Low Speed Pre Ignition) Prevents turbocharger deposits, Excellent protection against chain wear.

**PERFORMANCE LEVEL**  
ACEA C5, ACEA C6, API SN, API SP, FORD WSS-M2C952-A1, GM DEXOS D™, ILSAC GF-6 A, JAGUAR-LAND ROVER ST-JLR.03.5006, MB 229.71, OPEL OV0401547®

VISCOSITY 40°C	39
DENSITY AT 15°C	0,843
FLASH POINT OM	> 200







Ester based

PURE-RACE 24H  
10W60

DOUBLE  
ESTER

A fully synthetic motor oil based on carefully selected high quality synthetic base oils, all of which already have a natural, high viscosity index and which advanced and well balanced additives

PERFORMANCE LEVEL  
ACEA A3/B4, API SN/CF

VISCOSITY at 100°C mm²/s	24.2
FLASH POINT	238 °C
POUR POINT	-48 °C
VISCOSITY INDEX	189

PURE-SPORTS  
5W30

DOUBLE  
ESTER

This is a universal, ester fortified, synthetic motor oil. This Oil is specially developed for passenger car engines. Moreover this lubricant is very suitable for use in petrol and diesel engines, with or without turbo-charging with or without DPF).

PERFORMANCE LEVEL  
ACEA C2, ACEA C3, API SP  
BMW LONGLIFE-04  
GM DEXOS 2  
MB 229.31 / 229.51 / 229.52  
Opel OV 040 1547 - D30 / G30  
VW 505 00 / 505 01

VISCOSITY at 100°C mm²/s	12.1
FLASH POINT	234 °C
POUR POINT	-36 °C
VISCOSITY INDEX	167

PURE-SPORTS  
5W40

DOUBLE  
ESTER

This universal, ester fortified, fuel saving synthetic motor oil is suitable for use in petrol and diesel engines, with or without turbo-charging. Moreover this lubricant is also very suitable for passenger car diesel engines with pump-injector-unit. This product meets the requirements of several OEM's and thus has a wide application.

PERFORMANCE LEVEL  
ACEA C3, API SN/CF  
VW 505 00 / 505 01  
MB 229.31/226.5, BMW LL-04  
FORD M2C917-A, PORSCHE A40  
RENAULT RN0700 / RN0710  
GM DEXOS 2, FIAT 9.55535-S2

VISCOSITY at 100°C mm²/s	15.8
FLASH POINT	243 °C
POUR POINT	-42 °C
VISCOSITY INDEX	183

PURE-SPORTS  
10W60

DOUBLE  
ESTER

A universal, ester fortified, synthetic motor oil developed according the most recent technology and based on specially selected base oils with a high natural viscosity index.

PERFORMANCE LEVEL  
ACEA C3, API SN/CF  
BMW M-ENGINES / LL-01  
PORSCHE A 40

VISCOSITY at 100°C mm²/s	22.8
FLASH POINT	243 °C
POUR POINT	-39 °C
VISCOSITY INDEX	183



Ceramic based

CERA-MIX XL  
5W30

CERAMIC  
TECHNO-  
LOGY

This is a full synthetic motor oil based on carefully selected very high quality base oils of the latest generation, with a large field of application. It offers an excellent fluidity at low temperature, which ensures instant lubrication after starting. This will bring wear to a minimum. Because of its low viscosity, it is fuel-saving.

PERFORMANCE LEVEL  
ACEA C3, API SN, BMW LL-04,  
MB 229.51 / 229.31  
VW 502 00 / 505 00 / 505 01

VISCOSITY at 100°C mm²/s	12.1
FLASH POINT	228 °C
POUR POINT	-39 °C
VISCOSITY INDEX	175

CERA-MIX XL  
5W40

CERAMIC  
TECHNO-  
LOGY

This ceramic synthetic 5W40 motor oil ready for use forms a unique composition which outperforms the properties of similar oils. The ceramic components make sure that high temperatures and pressure are resisted inside the engine. Also a low friction and wear coefficient is typical for this oil.

PERFORMANCE LEVEL  
ACEA C3, API SN/CF, BMW LL-04,  
MB 226.5 / 229.31 / 229.51,  
GM DEXOS 2, PORSCHE A40,  
RENAULT RN 0700/0710,  
VW 502.00 / 505.00 / 505 01,  
FORD WSS-M2C917-A

VISCOSITY at 100°C mm²/s	14
FLASH POINT	232 °C
POUR POINT	-42 °C
VISCOSITY INDEX	175

CERA-MIX XL  
THE ORIGINAL

- SIGNIFICANT LOWER FUEL AND OIL CONSUMPTION
- INCREASE OF POWER
- REDUCTION OF ENGINE NOISE AND INTERNAL FRICTION
- CLEANER ENGINE
- IMPROVES COLD START



These advanced lubricant composition makes the oil suitable for modern and older engines, for both gas and diesel vehicles, often in racing applications.



Synthetic based

MULTI-TEC+B4  
10W30

ESSENTIAL

This synthetic based lubricant is especially developed to meet ACEA A3/B4. It is designed for the lubrication of four-stroke gasoline and diesel cars, including diesel engines with direct injection such as Common Rail, HDI or CDI. It is a motor oil based on carefully selected quality base oils for 4-stroke diesel engines with or without turbo of passenger cars and for 4-stroke gasoline engines. Key features include a low ash formulation and a high resistance to ageing.

PERFORMANCE LEVEL

ACEA A3/B3, A3/B4, API SM/CF, MB 229.1

VISCOSITY at 100°C mm²/s	11.8
FLASH POINT	218 °C
POUR POINT	-36 °C
VISCOSITY INDEX	153

MULTI-TEC+B4  
10W40

ESSENTIAL

This is a synthetic based motor oil based on carefully selected highly refined base oils. This oil is an advanced engine oil, especially developed to meet ACEA A3/B4 requirements and to fulfill Euro 4 norms. It is designed for the lubrication of four-stroke gasoline and diesel cars, including diesel engines with direct injection such as Common Rail, HDI, CDI, etc. Key features include a low ash formulation and a high resistance to ageing.

PERFORMANCE LEVEL

ACEA A3/B3, A3/B4, API SL/CF, MB 229.1, VW 501 01 / 505 00, RENAULT RN 0700/0710

VISCOSITY at 100°C mm²/s	14.1
FLASH POINT	225 °C
POUR POINT	-39 °C
VISCOSITY INDEX	159

MULTI-TEC +  
10W40

ESSENTIAL

A universal motor oil based on mineral and synthetic base oils, which have a natural high viscosity index, to which additives have been added in order to obtain the following properties: A high and stable viscosity index / A fast cold start / A strong resists against oxidation/ Veilige a lubricating film at high temperatures / Good detergency and dispersion / A strong anti-wear, corrosion and foaming

PERFORMANCE LEVEL

ACEA A3/B3, API SL/CF, MB 229.1, VW 501 01/ 505 00

VISCOSITY at 100°C mm²/s	13.8
FLASH POINT	226 °C
POUR POINT	-33 °C
VISCOSITY INDEX	155

MULTI-TEC SN  
10W40

FUEL ECONOMY

This is a synthetic motor oil based on carefully selected quality base oils with a high viscosity index for the lubrication of gasoline and diesel engines with turbocharging. .

PERFORMANCE LEVEL

ACEA A3/B4, API SN/CF, MB 229.1, RN 0700, VW 501 01/505 00

VISCOSITY at 100°C mm²/s	13.7
FLASH POINT	224 °C
POUR POINT	-39 °C
VISCOSITY INDEX	154



PRO-TEC TS  
15W40

ESSENTIAL

This is a semi-synthetic motor oil based on precisely selected, highly refined base oils. This oil has been developed in order to meet the latest specifications of all manufacturers of heavy duty diesel engines.

PERFORMANCE LEVEL

ACEA E7 Issue 2, API CI-4/SL, CATERPILLAR ECF-1a, ECF-2, CUMMINS CES 20076, CES 20077, CES 20078, DETROIT DIESEL 93K215, DEUTZ DQC-III-18, GLOBAL DHD-1, JASO DH-1, MACK EO-M PLUS, EO-N PLUS, MAN M3275-1, MB 228.3, MB 229.1, MTU Type 2, RENAULT RLD, RLD-2,VOLVO VDS-3

VISCOSITY at 100°C mm²/s	13.8
FLASH POINT	227 °C
POUR POINT	-39 °C
VISCOSITY INDEX	150



Mineral

PRO-TEC  
15W50

ESSENTIAL

This is a semi synthetic lubricant based on carefully selected highly refined base oils.This oil distinguishes itself by a higher temperature performance and resistance against ageing.

PERFORMANCE LEVEL

ACEA A3/B3, A4/B4, AP CI-4/SL, DTFR 15B110, MB 228.3, 229.1

VISCOSITY at 100°C mm²/s	18.0
FLASH POINT	225 °C
POUR POINT	-39 °C
VISCOSITY INDEX	150

MULTI-TEC+  
15W50

ESSENTIAL

This is a high quality, universal motor oil of the latest generation. It can be used for all vehicles, as well gasoline as diesel engines, and is particularly designated for mixed fleets.

PERFORMANCE LEVEL

ACEA A3/B4, API SL/CF, MB 229.1

VISCOSITY at 100°C mm²/s	17.9
FLASH POINT	230 °C
POUR POINT	-27 °C
VISCOSITY INDEX	149

MULTI-TEC SN  
20W50

FUEL ECONOMY

A very high quality mineral motor oil, which is suitable for most of 4-stroke gasoline and diesel cars and light trucks. By its selected composition, a very good resistance to oxidation and optimal detergent and dispersion properties are obtained. A strong oil film guarantees a high lubricating power.

PERFORMANCE LEVEL

ACEA A3/B3, A3/B4, AP SN/CF, MB 229.1

VISCOSITY at 100°C mm²/s	17.5
FLASH POINT	238 °C
POUR POINT	-24 °C
VISCOSITY INDEX	125

PRO-TEC  
15W40

ESSENTIAL

This modern multifunctional motor oil is recommended for use in petrol-, diesel-, and LPG-engines.

PERFORMANCE LEVEL

ACEA A3/B4, API SL/CF, MB 229.1, VW 501 01/505 00

VISCOSITY at 100°C mm²/s	14.7
FLASH POINT	230 °C
POUR POINT	-30 °C
VISCOSITY INDEX	130







PRO-TEC  
20W50

ESSENTIAL

Multigrade motor oil, suitable for all petrol and diesel engines in all working conditions and during the whole year. Due to the high content of active components, this oil can be used all year round in the toughest conditions. Because of the high resistance against ageing, it is possible to apply longer drain periods.

**PERFORMANCE LEVEL**

ACEA A3/B3, A3/B4, E3,  
API CG-4/ SJ, ALLISON C4,  
MAN M3275-1, VOLVO VDS-2,  
MB 228.3 / 229.1

VISCOSITY at 100°C mm²/s	17.5
FLASH POINT	238 °C
POUR POINT	-24 °C
VISCOSITY INDEX	125

PRO-TEC M  
15W40

ESSENTIAL

A modern multifunctional motor oil, produced with high quality solvent refined base oils and modern additives. Suitable lubricating oil for gasoline engines under light service conditions and in all seasons. Moreover, for diesel engines passenger cars and light delivery vans in light service. Not applicable for turbo-charging diesel engines for which a minimum API CD is required.

**PERFORMANCE LEVEL**

API: SF/CC  
CCMC G2/D1

VISCOSITY at 100°C mm²/s	14.0
FLASH POINT	210 °C
POUR POINT	-30 °C
VISCOSITY INDEX	130

PRO-TEC M  
20W50

ESSENTIAL

A very high quality mineral motor oil, which is suitable for most of 4-stroke gasoline and diesel cars and light trucks. By its selected composition, a very good resistance to oxidation and optimal detergent and dispersion properties are obtained. A strong oil film guarantees a high lubricating power.

**PERFORMANCE LEVEL**

ACEA E1, API SF/CD,  
US ARMY MIL- L- 2104D /  
MIL- L - 46152D

VISCOSITY at 100°C mm²/s	17.3
FLASH POINT	244 °C
POUR POINT	-24 °C
VISCOSITY INDEX	117



Challenge  
the road





# Heavy Duty

- 24 FULL SYNTHETIC
- 26 SYNTHETIC BASED
- 27 MINERAL

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



# Product Characteristics



- SHPD** Lubricant fulfilling ACEA E7 or E9 with a standard drain interval, classified as Super High-Performance Diesel
- UPHD** Lubricant fulfilling ACEA E4 or E6 or F8 with a long drain interval, classified as Ultra High-Performance Diesel
- EURO** Euro norm: for heavy duty engine oil
- ESSENTIAL** Products at 'budget level', commodities





Full synthetic

PRO-TEC NX  
5W20

EURO  
V & VI

UHPD

This motor oil is developed for MAN trucks fitted with Euro VI d D26 and D38 engines and for MAN buses equipped with the Euro VI d D26LOH engine. Due to its very low viscosity, it shows extreme Fuel Economy capacities. It complies with the most recent MAN M3977 specification.

PERFORMANCE LEVEL

MAN M3977, SCANIA LDF-5

VISCOSITY at 100°C mm²/s	8.2
FLASH POINT	210 °C
POUR POINT	-42 °C
VISCOSITY INDEX	152

PRO-TEC NX  
5W30

EURO  
V & VI

UHPD

VOLVO VDS-4.5, MACK EOS-4.5  
RENAULT RLD-3, MAN M3677 APP.

This is a full synthetic motor oil based on carefully selected very high quality base oils, which satisfies the highest performance standards for large trucks. The formulation includes a state of the art friction modifier for improved fuel economy. It is recommended for Euro V and most Euro VI engines. Perfectly compatible with all after-treatment systems and devices (EGR, SCR, DPF, etc.) in combination with low sulfur diesel (max 50 ppm).

PERFORMANCE LEVEL

ACEA E6, E7, E8, E9, E11, API CK-4/SN CAT ECF-3, CUMMINS CES 20081/ 86 JASO DH-2, DETROIT DIESEL 93K218 / 93K222, VOITH CLASS B DEUTZ DQC IV-18 LA, MACK EO-M PLUS, MACK EO-N/ EO-O PREMIUM PLUS, MAN M3271-1/M3477/ M3677/ M3775, MB 228.31/228.51 MTU TYPE 3.1, RN RLD-2/RDL-3/ RXD/RGD, SCANIA LOW ASH/ LDF-4, VOLVO CNG/VDS-3/VDS-4/ VDS-4.5

VISCOSITY at 100°C mm²/s	11.8
FLASH POINT	214 °C
POUR POINT	-45 °C
VISCOSITY INDEX	165

PRO-TEC NX  
10W40

EURO  
V & VI

UHPD

This is a full synthetic motor oil based on carefully selected very high quality base oils, which satisfies the highest performance standards for large trucks. It can be used for engines equipped with after treatment systems, in combination with low-sulfur diesel (maximum 50 ppm).

PERFORMANCE LEVEL

ACEA E4, E6, E7, E8, E9, E11, API CK-4/SN CAT ECF-3, CUMMINS CES 20081 DAF EXTENDED DRAIN, DETROIT DIESEL 93K218, DEUTZ DQC IV-10 LA/ -18 LA, JASO DH-1/DH-2, MACK EO-N /EO-O Premium Plus MAN M3271-1 /M3477/ M3575, MB 228.31, MB 228.51 MTU Type 2.1/Type 3.1, RN RLD-2 RN RLD-3, SCANIA LA VOITH Retarder Oil Class B VOLVO VDS-3 /VDS-4/ VDS-4.5

VISCOSITY at 100°C mm²/s	15.1
FLASH POINT	225 °C
POUR POINT	-42 °C
VISCOSITY INDEX	161

PRO-TEC S  
5W30

EURO V

UHPD

This is a full synthetic motor oil based on carefully selected very high quality base oils. This ultra high performance diesel (UHPD) engine oil, meets the highest performance standards for heavy trucks. Because of its synthetic composition, it has a particularly high viscosity index and provides optimum protection against wear and ageing. It is intended for truck fleet operators, seeking the best lubricating oil technology, to meet the increasingly stringent exhaust limits imposed on diesel engines in Europe. Because of the very high detergency, this oil is not suitable for gasoline engines and vehicles equipped with particulate filters.

PERFORMANCE LEVEL

ACEA E4, E7, API CI-4, DAF HP1/HP2, DEUTZ DQC-IV-10, MACK EO-N, MAN M3277 / M3377, MB 228.5, CUMMINS 20076/20078 MTU TYPE 3, RN RD-2/RDL/ RLD-2/RXD, SCANIA LDF, VOLVO VDS-3, CAT ECF-2

VISCOSITY at 100°C mm²/s	12.17
FLASH POINT	224 °C
POUR POINT	-39 °C
VISCOSITY INDEX	168

PRO-TEC TDX  
10W40

EURO  
IV & V

UHPD

MAN M 3277, VOLVO VDS-3,  
MACK EO-N, RN VI RLD-2 APPROVED

This is a synthetic motor oil based on carefully selected highly refined base oils. This is a ultra high performance diesel (UHPD) engine oil that meets the highest performance standards for heavy trucks. This oil is not suitable for vehicles fitted with particulate filters.

PERFORMANCE LEVEL

ACEA E4/E7, API CI-4, CUMMINS CES20078, DETROIT DIESEL 93K215, DEUTZ IV-10, GLOBAL DHD-1, MACK EO-N / EO-M PLUS MAN M3277/ M3377, MB 228.5, MTU YPE3, RENAULT RLD-2/RXD, VOLVO VDS-3

VISCOSITY at 100°C mm²/s	14.6
FLASH POINT	226 °C
POUR POINT	-39 °C
VISCOSITY INDEX	149

PRO-TEC X  
10W40

EURO  
V & VI

UHPD

MB 228.51, VOLVO VDS-3, MACK EO-N,  
RN VI RLD-2, MAN M3477 APPROVED

This is a full synthetic lubricant based on carefully selected very high quality base oils, which satisfies the highest performance standards for large trucks. It can be used for engines equipped with after treatment systems (Compatible with DPF), in combination with low-sulfur diesel (maximum 50 ppm).

PERFORMANCE LEVEL

ACEA E6, E7, E8, E9, E11 API CI-4, CAT ECF-1 CUMMINS CES 20076 CUMMINS CES 20077 DAF Extended Drain DEUTZ DQC-IV-18 LA DTFR 15C110, IVECO 18-1804 TLS E6, JASO DH-2 MACK EO-N MAN M3271-1, MAN M3477 MB 228.51, MTU Type 3.1 RENAULT RGD, RENAULT RLD-2 RENAULT VI RXD, VOLVO VDS-3

VISCOSITY at 100°C mm²/s	13.7
FLASH POINT	230 °C
POUR POINT	-36 °C
VISCOSITY INDEX	159

PRO-TEC XTRA+  
5W30

EURO  
VI

This fuel saving lubricant has mainly been developed for heavy diesel engines even under the toughest operation conditions and all the year round. This product is very suitable for on-road Euro 6 and off-road EU Stage IV engines in combination with diesel fuel with a low sulphur content, where the specified specifications are requested.

PERFORMANCE LEVEL

API FA-4/SN, DTFR 15C130 MB 228.61, CUMMINS CES 20087 DETROIT DIESEL DFS 93K223 JASO DH-2, VOLVO VDS-5 RENAULT RLD-5

VISCOSITY at 100°C mm²/s	9.9
FLASH POINT	222 °C
POUR POINT	-42 °C
VISCOSITY INDEX	157





Synthetic based

PRO-TEC XTRA  
10W30

EURO  
V & VI

SHPD

VOLVO VDS-4.5, MACK EOS-4.5  
RENAULT VI RLD-3 APPROVED

This fuel economy Heavy Duty motor oil is formulated with unique low SAPS high performance additives in combination with special selected base oils. This multigrade engine oil fulfills the latest requirements of OEM's for use in high speed four stroke diesel engines of the latest models.

PERFORMANCE LEVEL

ACEA E7, E9, E11, API CK-4 / SN  
MACK EOS-4.5, RN VI RLD-3  
VOLVO VDS-4.5, MTU TYPE 2.1  
CAT ECF-3, CUMMINS CES  
20086, DAF PSQL 2.1 E,  
DETROIT DIESEL 93K222  
DEUTZ DQC, III-13 LA  
DTRF 15C100, FORD M2C171-F1  
MAN M3575, MAN M3775  
MB 228.31

VISCOSITY at 100°C mm²/s	12
FLASH POINT	228 °C
POUR POINT	-39 °C
VISCOSITY INDEX	142

PRO-TEC XTRA  
10W40

EURO  
V & VI

UHPD

VOLVO VDS-4.5, MACK EOS-4.5  
RENAULT VI RLD-3 APPROVED

This Heavy Duty motor oil is formulated with unique low SAPS high performance additives in combination with special selected base oils. This multigrade engine oil fulfills the latest requirements of OEM's for use in high speed four stroke diesel engines of the latest models.

PERFORMANCE LEVEL

ACEA E6, E7, E8, E9, E11, API CK-4/SN  
DEUTZ DQC III-10 LA  
MACK EOS-4.5, MAN M 3477  
MAN M 3575, MAN M 3775  
MB 228.31, 228.51, 228.52  
RENAULT VI RLD-3/RLD-4  
VOLVO VDS-4.5, CAT ECF-3  
CUMMINS CES 20086  
DETROIT DIESEL 93K218 /  
93K222, JASO DH-2, MTU Type 2.1

VISCOSITY at 100°C mm²/s	14.5
FLASH POINT	220 °C
POUR POINT	-39 °C
VISCOSITY INDEX	153

PRO-TEC ULTRA  
10W30

EURO  
IV & V

UHPD

This is a semi synthetic motor oil based on carefully selected highly refined base oils. This is a "Low SAPS" oil, made of a specially customized additive package, in order to meet Euro V and U.S. EPA 07 emission standards. Compared to other motor oils, it offers exceptional protection against wear and guarantees lower pollution. The formulation includes a state of the art friction modifier for improved fuel economy.

PERFORMANCE LEVEL

ACEA E7, E9, E11, API CJ-4, /  
CK-4 / SM, CAT ECF-2/ECF-3  
CUMMINS CES 20081/ 20086,  
DEUTZ DQC-III-18 LA, MACK EO-O  
Premium Plus, MAN M3575  
MB 228.31, RN RLD-3, VOLVO VDS-4.5

VISCOSITY at 100°C mm²/s	12
FLASH POINT	226 °C
POUR POINT	-36 °C
VISCOSITY INDEX	145

PRO-TEC ULTRA  
10W40

EURO  
V & VI

SHPD

This is a semi-synthetic motor oil based on carefully selected very high quality base oils, which satisfies the highest performance standards for large trucks. It can be used for engines equipped with after treatment systems, in combination with low-sulfur diesel (maximum 50 ppm).

PERFORMANCE LEVEL

ACEA E7, E9, E11, API CK-4/SN,  
CAT ECF-3, CUMMINS CES  
20086, DEUTZ DQC III-18 LA,  
DETROIT DIESEL 93K222,  
MACK EOS-4.5, FORD WSS-  
M2C171-F1, MAN M3775,  
MB 228.31, RENAULT VI RLD-3,  
VOLVO VDS-4.5, MTU TYPE 2.1

VISCOSITY at 100°C mm²/s	14.9
FLASH POINT	226 °C
POUR POINT	-39 °C
VISCOSITY INDEX	160

PRO-TEC TDS  
10W40

EURO  
IV & V

UHPD

This is a semi- synthetic motor oil based on carefully selected very high quality base oils. This "long-drain" oil is engineered to provide outstanding lubrication to modern, high performance diesel engines.

PERFORMANCE LEVEL

ACEA E4, E7, API CF-4, API CG-4  
API CH-4, API CI-4/SL  
CUMMINS CES 20076 /  
CES20077 / CES20078  
DEUTZ DQC-IV-18, MACK EO-N,  
MAN M3277, MB 228.5,  
MTU TYPE 3, SCANIA LDF-3,  
RENAULT VI RLD-2, VOLVO VDS-3,  
MTU Type 3, RENAULT RLD,  
RENAULT RLD-2, RENAULT RXD,  
SCANIA LDF-2/-3

VISCOSITY at 100°C mm²/s	13.8
FLASH POINT	230 °C
POUR POINT	-39 °C
VISCOSITY INDEX	153

PRO-TEC TD  
10W40

EURO III

SHPD

VOLVO VDS-3, MACK EO-N,  
RENAULT VI RLD-2 APPROVED

This is a synthetic based motor oil based on carefully selected highly refined base oils. This oil is designed to meet the latest specifications of both European and American manufacturers of heavy diesel engines. It provides excellent protection against deposits in oil pipes, turbo's and provides improved protection against camshaft wear.

PERFORMANCE LEVEL

ACEA A3/B4, E7, APICI-4 / SL,  
ALLISON C-4, MB 228.3/229.1  
MAN M 3275-1, VOLVO VDS-3,  
RENAULT VI RLD / RLD-2, MTU  
TYPE 2, CUMMINS CES 20076  
/ 20077 / 20078, MACK EO-N/  
EO-M PLUS, GLOBAL DHD-1,  
CAT ECF-1-A/ECF-2, DEUTZ  
DQC III-10, DETROIT DIESEL  
93K215, ZF TE-ML 07C

VISCOSITY at 100°C mm²/s	13.8
FLASH POINT	222 °C
POUR POINT	-39 °C
VISCOSITY INDEX	156

PRO-TEC IV  
0W20

EURO IV

VOLVO VDS-4, MACK EO-O,  
RENAULT VI RLD-3 APPROVED

This synthetic lubricant has been developed to offer high performance and ultimate protection of the latest IVECO engines. Its particular formulation gives the product extraordinary features.

PERFORMANCE LEVEL

IVECO 18-1804 Classe TLV LS

VISCOSITY at 100°C mm²/s	8.9
FLASH POINT	220 °C
POUR POINT	-66 °C
VISCOSITY INDEX	167

VISCOSITY at 100°C mm²/s	14.2
FLASH POINT	236 °C
POUR POINT	-42 °C
VISCOSITY INDEX	162

Mineral

PRO-TEC ULTRA  
15W40

EURO  
V & VI

SHPD

VOLVO VDS-4, MACK EO-O,  
RENAULT VI RLD-3 APPROVED

This heavy duty motor oil is formulated with unique low SAPS high performance additives in combination with special selected base oils. This multigrade engine oil fulfills the latest requirements of OEM's for use in high speed four stroke diesel engines of the latest models.

PERFORMANCE LEVEL

ACEA E9, API CK-4/SN, CAT  
ECF-3, CUMMINS CES20086,  
DETROIT DIESEL 93K222,  
DEUTZ DQC III-18 LA,  
FORD WSS M2C171-F1,  
MACK EOS-4.5, MB 228.31,  
MAN M3775, MTU TYPE 2.1,  
RENAULT VI RLD-3,  
VOLVO VDS-4.5

VISCOSITY at 100°C mm²/s	14.2
FLASH POINT	236 °C
POUR POINT	-42 °C
VISCOSITY INDEX	162

PRO-TEC  
LA 40

This gas motor oil is suitable for the lubrication of four stroke gas engines, when gases are used with lower sulphur contents. The use of high quality base oils together with special additives

VISCOSITY at 100°C mm²/s	14.7
FLASH POINT	254 °C
POUR POINT	-21 °C
VISCOSITY INDEX	102

VISCOSITY at 100°C mm²/s	13.9
FLASH POINT	212 °C
POUR POINT	-36 °C
VISCOSITY INDEX	142

PRO-TEC TD  
15W40

EURO  
III & IV

SHPD

VOLVO VDS-3, MACK EO-N,  
RENAULT VI RLD-2 APPROVED

This is a high-performance mineral diesel motor oil formulated to deliver reliable performance in a broad range of heavy-duty applications. It is suitable for low-emission engines (Euro II, Euro III and some Euro IV engines).

PERFORMANCE LEVEL

ACEA E7, API CI-4/SL,  
ALLISON C4, CAT ECF-1A /  
ECF-2, CUMMINS CES 20076 /  
20077 / 20078, DETROIT  
DIESEL 93K215, DEUTZ DQC-  
III-18, GLOBAL DHD-1,  
JASO DH-1, MACK EO-M  
PLUS/EO-N, MAN M3275-1,  
MB 228.3, MTU TYPE 2,  
RENAULT RLD/RLD-2,  
VOLVO VDS-3, ZF TE-ML07C

VISCOSITY at 100°C mm²/s	13.9
FLASH POINT	212 °C
POUR POINT	-36 °C
VISCOSITY INDEX	142





PRO-TEC TD  
20W50

EURO  
III & IV

SHPD

This modern, universal applicable motor oil is produced with high quality solvent refined base oils and a well balanced choice of additives. This multigrade engine oil has the following properties: a very good detergency prevents deposits in the engine - a very good dispersion that prevents from precipitation and sludge - a powerful action against corrosion and foam- a high and stable viscosity index - a low sulphated ash content - a powerful activity against wear resulting in strongly reduced wear of piston-rings and cylinder-liners.

PERFORMANCE LEVEL	
ACEA A3/B4/E7, API CI-4/SL ALLISON C4, CAT ECF-1A / 2 CUMMINS CES 20076 / 20077 / 20078, DETROIT DIESEL 93K215, DEUTZ DQC-III-18, DTFR 15B110, GLOBAL DHD-1, JASO DH-1, MACK EO-M PLUS / EO-N MAN M3275-1, MB228.3/229.1 MTU TYPE 2, RENAULT RLD/ RLD-2, VOLVO VDS-3	

VISCOSITY at 100°C mm²/s	17.2
FLASH POINT	230 °C
POUR POINT	-21 °C
VISCOSITY INDEX	122

PRO-TEC TD PLUS  
15W40

EURO  
III & IV

Universal mineral motor oil with higher TBN designed to meet the latest specifications of both European and American manufacturers of heavy diesel engines. This oil is suitable for low-emission engines (Euro II, Euro III and Euro IV engines). It is not suitable for Euro IV engines with particulate filter. It provides excellent protection against deposits an improved protection against camshaft wear and it allows very long drain intervals.

PERFORMANCE LEVEL	
API CI-4/SN, ACEA A3/B4, E7 DAF XF, DEUTZ DQC III-10 MAN M3275, MB 229.1 / 228.3 IVECO-PEGASO, RENAULT RLD-2 SCANIA LDF, VOLVO VDS-3	

VISCOSITY at 100°C mm²/s	14
FLASH POINT	220 °C
POUR POINT	-36 °C
VISCOSITY INDEX	142



HD MONOGRADE  
10

ESSENTIAL

This monograde oil can be used in these following applications: atmospheric aspirated diesel for operation in normal conditions; gasoline engines for cars and light trucks. May not be used in turbo diesel engines. This is a mixture of high quality base oils together with special additives.

PERFORMANCE LEVEL	
ACEA E2, API SF/CC, SF/CF, ALLISON C3, CAT TO-2, MB 226.0/ 227.0/228.0 MIL-L-2104 , MIL-L-46152B, MAN 270, MTU TYPE I	

VISCOSITY at 100°C mm²/s	5.6
FLASH POINT	205 °C
POUR POINT	-30 °C
VISCOSITY INDEX	98

HD MONOGRADE  
30

ESSENTIAL

Monograde oil for the lubrication of most petrol and diesel engines. This oil combines excellent anti-wear and anti-sludge properties with a good detergent activity.

PERFORMANCE LEVEL	
ACEA E2, API SG/CF, SF/CF, ALLISON C3, CAT TO-2, MB 227.0/228.0, MAN 270, MTU TYPE I	

VISCOSITY at 100°C mm²/s	11.7
FLASH POINT	230 °C
POUR POINT	-18 °C
VISCOSITY INDEX	98

HD MONOGRADE  
40

ESSENTIAL

A universal monograde oil produced with high quality solvent refined base oils and a well-balanced choice of additives. This engine oil has the following properties: an excellent detergency preventing from deposits in the hot zones of the engine / a very active dispersion, that prevents from precipitation and sludge / a powerful action against wear, corrosion and foam / low ash contents

PERFORMANCE LEVEL	
API SF/CC, CCMC G2/D1 MAN 270, MIL-L-46152B/C FORD M2C153-C (SF/CC)/ M2C9011-A, GM 6085M	

VISCOSITY at 100°C mm²/s	15.0
FLASH POINT	245 °C
POUR POINT	-12 °C
VISCOSITY INDEX	97

HD MONOGRADE  
50

ESSENTIAL

Monograde oil for the lubrication of most petrol and diesel engines. This oil combines excellent anti-wear and anti-sludge properties with a good detergent activity. This oil can be used in the following applications : atmospheric aspirated diesel for operation in normal conditions; gasoline engines for cars and light trucks. May not be used in turbo diesel engines.

PERFORMANCE LEVEL	
ACEA E2, API SG /CF, SF/CF, ALLISON C3, CAT TO-2, MB 227.0/228.0, MAN 270, MTU TYPE I	

VISCOSITY at 100°C mm²/s	19.4
FLASH POINT	255 °C
POUR POINT	-15 °C
VISCOSITY INDEX	107

HD MONOGRADE  
60

ESSENTIAL

Monograde oil for the lubrication of most petrol and diesel engines. This oil combines excellent anti-wear and anti-sludge properties with a good detergent activity. This oil can be used in the following applications : atmospheric aspirated diesel for operation in normal conditions; gasoline engines for cars and light trucks. May not be used in turbo diesel engines.

PERFORMANCE LEVEL	
ACEA E2, API SG/CF, SF/CF, MB 227.0/228.0, MAN 270, CAT TO-2, MTU TYPE I	

VISCOSITY at 100°C mm²/s	24
FLASH POINT	240 °C
POUR POINT	-28 °C
VISCOSITY INDEX	120

# Automatic transmission

- 32 FULL SYNTHETIC
- 34 SYNTHETIC BASED
- 35 MINERAL

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



# Product Characteristics



- 4/5/6/7/8/9 SPEED  
ATF classification based on speed/ gear transmissions according to the Mercedes and ZF specifications level
- DEXRON  
Specification level Dexron as a trademark, in many countries owned by GM
- CVT  
Continuously variable transmission or shiftless transmission is a specific automatic transmission that can change seamlessly through a continuous range of effective gear ratios. Often used in Asian vehicles.
- DSG  
Very specific ATF product in use: Applicable for both wet and dry clutch, except for dry clutch DSG type 0AM, 02M, 02Q and 02S with dry clutch of Volkswagen



Full synthetic

MATIC-S  
41

6 & 8  
SPEED

Synthetic all-round low viscosity automatic transmission oil. Matic S 41 is a synthetic automatic transmission oil, which has been especially developed for automatic gear boxes requiring low viscosity ATF. ensures easy shifting under all operating temperatures, without unnecessary friction. Because of the low pour point and the high VI, can be applied in a wide temperature range. Because of the excellent oxidation and thermal stability, keeps its unique properties, so it easily meets the prescribed drain intervals. A unique combination of synthetic base oils and state-of-the-art additives, guarantee all-round, easy shifting.

PERFORMANCE LEVEL

BENTLEY PY112995PA, BMW 8322 2152426 / 8322 0144137, BMW M-1375.4 (8322 0142516), HYUNDAI 040000C90SG MB 236.12/236.14/236.41, MITSUBISHI SP-IV & ATF J-2, NISSAN MATIC - S, SAAB 93 165 147, TOYOTA WS, JWS 3324, GM DEXRON VI, JAGUAR FLUID 8432, FORD MERCON LV & SP, LAND ROVER TYK500050, MASERATI 231603, VW G 055 005 A1 / A2 / A6, VW G 060 162 A2, MAZDA FZ, HONDA DW-1, KIA / HYUNDAI SP-IV/ SPH-IV, ZF LIFEGUARD FLUID 6 (S671 090 255), ZF LIFEGUARD FLUID 8

VISCOSITY at 100°C mm²/s	6.2
DENSITY AT 15°C	0.845 °C
VISCOSITY INDEX	153

MATIC+  
Z6

6 SPEED

This is a full synthetic automatic transmission fluid based on carefully selected very high quality base oils that has been specifically developed for ZF 6-speed automatic transmissions. Its particular formulation ensures a trouble-free operation and smooth gear shifting.

PERFORMANCE LEVEL

AML 4G4319A509/AA/S, BENTLEY PY112995PA, BMW 83220142516 / M-1375.4, HYUNDAI 040000C90SG, JAGUAR FLUID 8432, LAND ROVER TYK500050, MASERATI 231603, VW G 055 005, ZF TE-ML 11

VISCOSITY at 100°C mm²/s	6.2
DENSITY AT 15°C	0.845 °C
VISCOSITY INDEX	153

MATIC+  
Z7

7 SPEED

This is a full synthetic automatic transmission fluid based on carefully selected very high quality base oils, mainly intended for all MB 7-speed automatic transmissions and NAG-V Sport transmissions. It provides excellent frictional durability and superior performance.

PERFORMANCE LEVEL

MB 236.10/11/12/14  
DTFR 13C110/40/50/70/80

VISCOSITY at 100°C mm²/s	5.9
DENSITY AT 15°C	0.848 °C
VISCOSITY INDEX	154



MATIC-PRO

5 SPEED

A synthetic automatic transmission fluid, based on synthetic base oils, formulated with special friction modifiers to obtain the following properties: a very high and stable viscosity index/a very low pour point / an excellent stability against oxidation a positive activity against wear, corrosion and foam / specific friction properties and consequently low noise and smooth switching/compatible with synthetic / a quick oil provision at cold start conditions.

PERFORMANCE LEVEL

NISSAN MATIC FLUID C / D / J / K TOYOTA ATF T / T-II / T-III / T-IV / D-II / D-III / WS, HONDA ULTRA II ULTRA-Z1, ULTRA HMMF, MAZDA ATF M-V, HYUNDAI / KIA SP-II / SP-III SUZUKI ATF 3314, SUBARU ATF / ATF 5AT / ATF HP /DEXRON II, GM DEXRON IID / IIE /IIIG / IIH, TASA, FORD MERCON / M2C 138CJ / 166H / 922A1 / 924A AISIN WARNER JWS 3309/3324 ISUZU BESCO ATF II / III, ALLISON C4 / TES-228, JASO M 315-2013 TYPE 1A, MB 236.1 / 236.6 / 236.7 / 236.8 / 236.9 / 236.10, BMW 7045E / 8072B CHRYSLER ATF +3/ATF +4, VAG G-055-025, VOLVO 1161540 ZF TE-ML 09/11A/11B

VISCOSITY at 100°C mm²/s	7.20
DENSITY AT 15°C	0.846 °C
VISCOSITY INDEX	165

MATIC-PRO  
DSG

DSG

This is a full synthetic automatic transmission fluid based on carefully selected very high quality base oils, specifically developed for the dual clutch transmissions (DCT) of modern passenger cars. It ensures trouble-free operation of these gearboxes. Mainly intended for the DSG (Direct Shift Gearbox) of VAG, this fluid can also be used for other 6-speed DCT transmissions, such as Chrysler Powershift, Ford Powershift, Mitsubishi TC-SST, Volvo Powershift, BMW Drivelogic 7-speed, etc.

PERFORMANCE LEVEL

BMW DCTF-1/MTF LT-5, CHRYSLER 68044345E, FERRARI TF DCT-F3 FIAT 9.55550-M, FORD WSS-M2C936-A, MB 236.21/236.25 MITSUBISHI DIAMOND QUEEN SSTF-1 NISSAN R35 SPECIAL PORSCHE 000.043.20 PORSCHE 000.043.207.29 / 000.043.207.30PSA 9734 S2 RN BOT450 EDC 6-Speed VOLVO BOT341 #1161838 VW G 052 182, VW G 052 513/G 052 529/TL 52182

VISCOSITY at 100°C mm²/s	7.00
DENSITY AT 15°C	0.854 °C
VISCOSITY INDEX	173

MATIC  
8 HP

8 SPEED

This is a full synthetic automatic transmission fluid based on carefully selected very high quality base oils that has been specifically developed for ZF 6, 8 and 9-speed automatic transmissions. Its particular formulation ensures a trouble-free operation and smooth gear shifting.

PERFORMANCE LEVEL

ZF 8 HP, BMW 83222152426 CHRYSLER 68157995AA FIAT 9.55550-AV5 JAGUAR 02JDE26444 LAND ROVER LR023288 VW 060 162

VISCOSITY at 100°C mm²/s	5.94
DENSITY AT 15°C	0.845 °C
VISCOSITY INDEX	164

MATIC  
MB 15

7 SPEED

This is a full synthetic automatic transmission fluid based on carefully selected very high quality base oils, intended for the latest MB 7-speed automatic transmissions from MB (NAG2FE+). It provides excellent frictional durability, superior performance and fuel economy.

PERFORMANCE LEVEL

MB 236.15

VISCOSITY at 100°C mm²/s	4.4
DENSITY AT 15°C	0.842 °C
VISCOSITY INDEX	172



MATIC  
DX6

DEXRON  
VI

This is a full synthetic automatic transmission fluid based on carefully selected quality base oils for the General Motors Dexron VI specification.

PERFORMANCE LEVEL

GM DEXRON VI, FORD MERCON LV, MB 236.1 / 236.5 / 236.7 / 236.8 / 236.9 / 236.41, VAG G-055-025 /G-052-162, AISIN WARNER JWS 3309/3324 (WS), ALLISON TES 228/C3/C4, BMW ETL7045 / 7045E / 8072B / LA2634 / MINI COOPER T-IV CHRYSLER DODGE MOPAR AS68RC (TYPE IV), CHRYSLER DODGE MOPAR ATF+ / +2 / +3 / +4, FIAT TYPER IV, FORD MERCON / WSS-M2C138-CJ / 166-H / 922-A1 / 924-A, GM DEXRON IID / IIE/IIIG/IIH/TASA, HONDA ACURA DW-1/ATF-Z1 (EXCEPT IN CVT) HYUNDAI/KIA SP-II/SP-III/SP-IV/ SP-IV M/SP-IV RR, HYUNDAI/KIA JWS3314/9683, ISUZU BESCO ATF II/ III, NISSAN MATIC C/D/J/K/S, JAGUAR ATF 3403 M115/JLM 20238, JASO M315-2013 1A/1A-LV/2A, MAZDA ATF DII/M-III/M-V/FZ/F-1/S-1/N-1/3317 MITSUBISHI SK/SP-II/SP-III/SP-IV/AW/ J2/J3/ATF PA, OPEL PORSCHE ATF 3403-M115/TYPE IV, SUBARU ATF/ATF 5AT/ATF HP - SUZUKI ATF 3309/3314/3317/2326/2384 K, TOYOTA D-II/D-III/T-III/T-IV/WS VOITH 55.6335, VOLVO 1161540/97340, ZF 5HP 18FL/19FL/24A/30/4 HP 20, ZF TE-ML 11A/11B

VISCOSITY at 100°C mm²/s	6.0
DENSITY AT 15°C	0.847 °C
VISCOSITY INDEX	151

MATIC-PLUS  
CVT

CVT

This is a full synthetic lubricant based on carefully selected very high quality base oils, that has been designed to be used in most CVT gearboxes. It is suitable for continuously variable transmissions, using steel push-belts or chains. It offers outstanding anti-wear protection and stable friction characteristics. OEMs usually recommend specific CVT fluids for their transmissions. By carefully balancing base oils and advanced additives, it has become possible to formulate this fluid that meets the requirements of both European and Japanese CVT manufacturers.

PERFORMANCE LEVEL

AUDI TL 52180, DAIHATSU AMMIX CVT, DODGE NS-2/CVTF+4, FORD CVT23, FORD CVT30, FORD MERCON C, GM SATURN DEX-CVT, HONDA HCF-2, HONDA HMMF, HYUNDAI SP-CVT1, HYUNDAI SP-III, JEEP NS-2/CVTF+4, KIA SP-CVT 1/SP-III, MB 236.20, MINI EZL799A, BMW 83220136376 / 83220429159, MITSUBISHI CVTF-J1 /SP-III, NISSAN NS-1, NISSAN NS-2 / NS-3, PUNCH EZL799A, SUBARU LINEARTRONIC CVTF, SUZUKI TC / NS-2 / CVT GREEN 1, TOYOTA TC, VW G 052 180 / G 052 516

VISCOSITY at 100°C mm²/s	7.35
DENSITY AT 15°C	0.852 °C
VISCOSITY INDEX	189

MATIC  
9

9 SPEED

A very high graded, extremely low-viscosity automatic transmission fluid based on special selected synthetic base oils, with a high viscosity index and a number of selected additives to obtain the following properties: excellent contribution to fuel economy / excellent lubrication / very good resistance against oxidation / very good thermal stability / excellent and very stable friction characteristics / excellent resistance against corrosion and foaming / excellent protection against wear / a very high and stable viscosity index. This oil contributes significantly to realizing fuel saving.

PERFORMANCE LEVEL

MB 236.17

VISCOSITY at 100°C mm²/s	4.23
DENSITY AT 15°C	0.835 °C
VISCOSITY INDEX	161



UNI  
MATIC

4 & 5  
SPEED

This is a full synthetic automatic transmission fluid based on carefully selected very highly refined base oils for automatic transmissions, meeting the requirements of most American, Japanese and European manufacturers. Its versatile nature guarantees it can be used in automatic transmissions and torque convertors for most passenger cars, off-road vehicles and SUVs.

PERFORMANCE LEVEL

AISIN-WARNER JWS 3309 / JWS 3314 / JWS 3317 - ALLISON TES 295, AW-1, BMW ETL 7045E / ETL 8072B, BMW LA 2634 / LT 71141, CHRYSLER ATF +3 AND +4 , FIAT 9.55550-AV4, FORD MERCON V / WSS-M2C922-A1 GM DEXRON III-H, IIIG & IID, HONDA ATF Z-1, HYUNDAI SP-III, MB 236.10 / 236.11 / 236.3 / 236.5 / 236.7, NISSAN MATIC-K, MATIC-W, PSA P/N Z 000169756, TOYOTA TYPE T-IV - VW G 052 055 / G 052 162 / G 052 533 / G 052 990 / G 055 025

VISCOSITY at 100°C mm²/s	7.0
DENSITY AT 15°C	0.849 °C
VISCOSITY INDEX	184

Synthetic based

MATIC ML  
20

Is a high-performance automatic transmission fluid with an extremely wide range of applications in modern 'stepped' automatic transmission. Its exceptional performance capacity is achieved through the interaction of the most advanced additives and specially selected HC synthetic oils.

PERFORMANCE LEVEL

MAN 339 TYPE, MB-236.9, VOITH 55.6335, ZF TE -ML 04D / 14B / 16L / 20B, DEXRON IIIH, MERCON MERCON V, ALLISON C-4, MB 236.6 ZF TE-ML 17C,JWS 3309/3314 TES 295 / TES 389,BMW LA-2634/ LT-71141 / ETL 7045 E, CHRYSLER ATF+3 / +4, FORD M2C195-A / 202-B/922-A1 / WSS-M2C924-A / 938-A, GM 9986195, HONDA Z1 HYUNDAI/ KIA /MITSUBISHI SP-II / -III MAN 339 TYPE V2/Z3, MB 235.17 / 236.10 / 236.11, NISSAN MTIC-D / J / K, T-IV / JWS 33009, VOITH H55.6336, VOLVO 97341 / VOLVO 5-SPEED, VW 50 160/TL 52 162 / G 052 990 / G 055 025, ZF TE-ML 02F / 11B / 14C

VISCOSITY at 100°C mm²/s	7.2
DENSITY AT 15°C	0.850 °C
VISCOSITY INDEX	193



Mineral

MATIC+  
IIIH

DEXRON  
III H

This is a mineral automatic transmission fluid based on carefully selected highly refined base oils. This is an oil with a very high viscosity index for most automatic transmissions. The improved fluidity at low temperatures ensures optimum performance in all conditions. Its exceptional frictional characteristics provide smooth switching and driving comfort. This oil is used in automatic transmissions, torque convertors, power steering and hydraulic circuits, for which the manufacturers prescribe a product, which meets the General Motors ATF TYPE Dexron III or Dexron II E and Ford Mercon-requirements.

PERFORMANCE LEVEL

DEXRON IID / IIE / IIIF / IIIG / IIIH MB 236.1/236.5/236.6/236.7/236.9 FORD MERCON/M2C138-CJ/166-H MAN 339 TYP Z1/V1, ALLISON C4/TES-389, CAT TO-2, VOITH 55.6335 (G607) VOLVO 97341 ZF TE-ML 02F / 03D / 04D / 09A / 09B / 11A / 11B / 14A / 17C

VISCOSITY at 100°C mm²/s	7.3
DENSITY AT 15°C	0.855 °C
VISCOSITY INDEX	175

MATIC+  
III

DEXRON  
III G

ARDECA MATIC + III - VOITH  
H55.6335.XX APPROVED

This is a mineral automatic transmission fluid based on carefully selected highly refined base oils. This is an oil with a very high viscosity index for most automatic transmissions. The improved fluidity at low temperatures ensures optimum performance in all conditions. Its exceptional frictional characteristics provide smooth switching and driving comfort. This oil is used in automatic transmissions, torque convertors, power steering and hydraulic circuits, for which the manufacturers prescribe a product, which meets the General Motors ATF TYPE Dexron III or Dexron II E and Ford Mercon-requirements.

PERFORMANCE LEVEL

ALLISON C4, FORD MERCON GM DEXRON III-G, MAN 339 V1/ Z1, MB 236.5/236.9, VOITH H55.6335, VOLVO STD 1273.40 / 1273.41, ZF TE-ML 09B/11B/14A

VISCOSITY at 100°C mm²/s	7.1
DENSITY AT 15°C	0.855 °C
VISCOSITY INDEX	179

MATIC+  
II

DEXRON  
II D

This is an automatic transmission oil with a high viscosity index. It is characterized by a high chemical stability, increased anti-wear properties and an excellent resistance against ageing. It can be used in automatic transmissions, torque convertors, power steering and hydraulic circuits, for which the manufacturers prescribe a product, which meets the General Motors ATF TYPE Dexron II-D requirements.

PERFORMANCE LEVEL

ALLISON C4, CATERPILLAR TO-2 FORD M2C-138CJ Mercon GM 6137-M DEXRON II-D MAN 339 V1/Z1, MB 236.5 / 236.7 / 236.1, VOITH H55.6335xx, ZF TE-ML 03D, ZF TE-ML 04D/ 09/ 11A/14A/17C

VISCOSITY at 100°C mm²/s	7.46
DENSITY AT 15°C	0.867 °C
VISCOSITY INDEX	171





# Manual transmission

37 FULL SYNTHETIC  
38 SYNTHETIC BASED  
39 MINERAL

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



MANUAL TRANSMISSION | FULL SYNTHETIC

## Full synthetic

UNI-GEAR LS  
75W90

LIMITED  
SLIP

This is a fully synthetic gear oil based on carefully selected highly refined base oils. This oil is an extreme-pressure lubricant for differentials equipped with a limited slip or lock-up mechanism, requiring a low viscosity lubricant.

### PERFORMANCE LEVEL

API GL 4+/GL-5 /LS, MIL-L-2105 E  
SCANIA STO 1.0 BOX, MAN 341 Z2  
341 E3, 342 M3, MB 235.8, ZF  
TE-ML 02B / 05B / 07A / 08 12B  
/ 16F / 17B / 19C / 21B, IVECO  
AXLES, VOITH 3.325-340, ARVIN  
MERITOR O-76N INTERNATIONAL  
TMS-6816, DAF

VISCOSITY at 100°C mm²/s	14.4
FLASH POINT	172 °C
POUR POINT	-45 °C
VISCOSITY INDEX	140

UNI-GEAR LS  
75W140

LIMITED  
SLIP

This is a fully synthetic gear oil based on carefully selected highly refined base oils. This is a high performance transmission oil for all differentials, including those equipped with a “limited slip mechanism. It is characterized by an exceptionally high viscosity stability at different temperatures and a very high fluidity at low temperature.

### PERFORMANCE LEVEL

API GL 4+/GL-5/LS, MIL-L-2105 E  
SCANIA STO 1.0 BOX, MAN 341 Z,  
341 E3, 342 M3, MB 235.8, ZF TE-ML 02B  
05B, 07A, 08, 12B, 12L, 12N  
16F, 17B, 19C, 21B, IVECO  
VOITH 3.325-340  
RENAULT B0032/3 Annex 3  
MACK GO-J EO-H, DAF GL5  
TMS 6816, DIN 51517

VISCOSITY at 100°C mm²/s	26.5
FLASH POINT	190 °C
POUR POINT	-51 °C
VISCOSITY INDEX	195

UNI-GEAR S  
75W90

This is a full synthetic gear oil based on carefully selected very high quality base oils, which can be used in a wide field of applications. Because of its special composition, it is particularly suited for synchronized gear boxes, as well as heavily loaded differentials.

### PERFORMANCE LEVEL

API GL 4/GL-5/MT 1, MIL PRF-  
2105E, SCANIA STO 1.0, MAN  
341 Z2, 341 E3, 342 M3, MB  
235.8/235.6, ZF TE-ML 02B  
05B, 07A, 08, 12B, 12L, 12N  
16F, 17B, 19C, 21B, IVECO  
VOITH 3.325-340  
RENAULT B0032/3 Annex 3  
MACK GO-J EO-H, DAF GL5  
TMS 6816, DIN 51517

VISCOSITY at 100°C mm²/s	15.4
FLASH POINT	218 °C
POUR POINT	-40 °C
VISCOSITY INDEX	150

UNI-GEAR  
75W FE

This is a full synthetic gear oil based on carefully selected very high quality base oils with low viscosity, used in manual gearboxes of passenger cars, which allows to achieve the highest fuel economy. It offers optimized cold start properties and stable viscosity/temperature behavior.

### PERFORMANCE LEVEL

API GL-4, BMW MTF LT-2/MTF  
LT-3, FORD WSS-M2C200-D2  
GM MTF 0063, NISSAN LV  
MTF-1, PSA B71 9730 A8  
VW G 052 171 (G 052 171 A1/  
A2) / G 052 178 (G 052 178  
A2) / G 052 512 (G 052 512  
A2) / G 052 726 (G 052 726  
A2/ G 055 726 A2 / G 060 726  
A2/ G 070 726 A2 / G 052 798

VISCOSITY at 100°C mm²/s	6.9
FLASH POINT	221 °C
POUR POINT	-44 °C
VISCOSITY INDEX	126

UNI-GEAR S  
75W140

This is a fully synthetic gear oil based on carefully selected highly refined base oils. This is a high performance transmission oil for all differentials, including those equipped with a “limited slip” mechanism. It is characterized by an exceptionally high viscosity stability at different temperatures and a very high fluidity at low temperature.

### PERFORMANCE LEVEL

API GL 4+, GL-5, BMW  
MIL-L-2105 E, SCANIA STO  
1.0 BOX, MB 235.8, IVECO  
RENAULT

VISCOSITY at 100°C mm²/s	25.8
FLASH POINT	252 °C
POUR POINT	-48 °C
VISCOSITY INDEX	171



Synthetic based

POLY-GEAR MTF  
75W80

This is a fully synthetic gear oil based on carefully selected very high quality base oils, which is recommended for the manual transmissions of most commercial vehicles. It is adapted to the requirements of syncromesh transmissions,procuring improved shift comfort,low temperature fluidity and longer service life.

PERFORMANCE LEVEL

API GL-4, MAN 341 Typ E-3 / Z-4 / Z-5, MB 235.4, RENAULT B0032/2, Annex 3, VOLVO 97305 / 97307, ZF TE-ML 01L / ML 02L / ML 08 / ML 13 / ML 16K / ML 24A

VISCOSITY at 100°C mm²/s	9.75
FLASH POINT	234 °C
POUR POINT	-45 °C
VISCOSITY INDEX	154

POLY-GEAR  
75W80

This gear oil is a semi-synthetic gear oil for mechanical transmissions, formulated with high quality special refined and synthetic base oils and special EP-additives.

PERFORMANCE LEVEL

API GL5, ZF TE-ML 02B, 05B, 07A, 17B, 19C, 21B, VOITH 3.325-340, MB 235.11 MACK GO-J, MAN 341 Z2, 341 E3, 342 M3, FIAT DUCATO, ROVER

VISCOSITY at 100°C mm²/s	9.2
FLASH POINT	200 °C
POUR POINT	-45 °C
VISCOSITY INDEX	171

POLY-GEAR GO  
75W80

This is a high quality gear oil, suitable for nearly all manual gearboxes of passenger cars. It is especially suitable as a replacement for specific OEM original oils and reduces the complexity and storage of gearbox oils. Tested under strict conditions, this oil satisfies the general performance requirements of most car makers and models, in all weather conditions.

PERFORMANCE LEVEL

API GL-4 + (GL4/GL5), FIAT 9.55550-MX3/9.55550-MZ1 FORD ESD-M2C186-A/WSD-M2C200-D, GM 1940182 GM 1940768, HONDA MTF 94, MB 235.10, NISSAN MT-XZ PSA 9730 A8/B71 2330 VOLVO 97308/97309/97310

VISCOSITY at 100°C mm²/s	9.1
FLASH POINT	205 °C
POUR POINT	-45 °C
VISCOSITY INDEX	185

SYN-GEAR  
75W90

This gear oil is a semi-synthetic gear oil for mechanical transmissions, formulated with high quality special refined and synthetic base oils and special EP-additives.

PERFORMANCE LEVEL

API GL-5, MT-1, SCANIA STO 1.0, SAE J2360, ZF TE-ML 02B ,05B, 07A, 08, 12B, 16F, 17B, 19C, 21B, MB 235.8 MACK GO-J, MAN 341Z2, 341 E3, 342 M3, IVECO AXLES VOITH 3.325-340, MIL-L-2105E, ARVIN MARITOR O-76N TMS-6816

VISCOSITY at 100°C mm²/s	15.2
FLASH POINT	200 °C
POUR POINT	-42 °C
VISCOSITY INDEX	184



Mineral

LS GEAR  
80W90

LIMITED SLIP

Mineral gear oil composed of paraffinic base oils and selected additives based on sulfur-phosphorus. A special friction additive emparts to this oil the necessary properties to be used in differentials, which are equipped with a "limited-slip" mechanism.

PERFORMANCE LEVEL

API GL-5, MIL MIL-L-2105 C / MIL MIL L-2105 D

VISCOSITY at 100°C mm²/s	15.1
FLASH POINT	210 °C
POUR POINT	-30 °C
VISCOSITY INDEX	100

LS GEAR  
90

LIMITED SLIP

This is a mineral gear oil for mechanical transmissions, formulated with high quality solvent refined base oils and special EP-additives to obtain the following properties, an excellent resistance against oxidation - a very high activity against wear, corrosion and foam - a low pour point - very good EP-properties - excellent "Limited Slip" properties.

PERFORMANCE LEVEL

API GL-5, MIL-L-2105C / D / ZF TE-ML 05C (suitable for use)

VISCOSITY at 100°C mm²/s	15.1
FLASH POINT	210 °C
POUR POINT	-30 °C
VISCOSITY INDEX	100

HD GEAR  
80W

This is a a mineral gear oil for mechanical transmissions with moderate "extreme pressure" characteristics and is specifically developed to avoid corrosion of copper alloys. It is suitable for the lubrication of syncromesh gearboxes, transfer boxes, mechanical steering controls and most rear axles (certain rear axles should be run in with a GL5 oil).

PERFORMANCE LEVEL

API GL-4, MIL-L-2105 MAN 341 TYP E2, MB 235.1 ZF TE ML 17A/24A

VISCOSITY at 100°C mm²/s	9.5
FLASH POINT	205 °C
POUR POINT	-35 °C
VISCOSITY INDEX	98

HD GEAR  
75W

This is a gear oil for mechanical transmissions with moderate "extreme pressure" characteristics and is specifically developed to avoid corrosion of copper alloys.

PERFORMANCE LEVEL

API GL-4, MIL: MIL-L-2105 MAN 341 Typ E2 MB 235.1 ZF TE ML 17A/24A

VISCOSITY at 100°C mm²/s	5.5
FLASH POINT	205 °C
POUR POINT	-40 °C
VISCOSITY INDEX	159

HD GEAR  
80W90

This is a gear oil for mechanical transmissions with moderate "extreme pressure" characteristics and is specifically developed to avoid corrosion of copper alloys.

PERFORMANCE LEVEL

API GL-4 , MIL MIL-L-2105

VISCOSITY at 100°C mm²/s	15.2
FLASH POINT	214 °C
POUR POINT	-27 °C
VISCOSITY INDEX	102







H-EP GEAR  
80W90

This is an extreme-pressure gear oil for gear boxes, specifically formulated to satisfy the highest service conditions: high speed, shockloads and high torque at low speeds. Recommended for all hypoid transmissions and also suitable for spiral bevel gears, worm wheels and most transaxles.

PERFORMANCE LEVEL	
API GL-5, MAN 342 M-1/ M-2, MIL MIL-L-2105 C / D, MB 235.0, ZF TE-ML 05 / 07A / 12E / 12M / 12N / 16B / 16C / 17B / 19B	

VISCOSITY at 100°C mm²/s	15.2
FLASH POINT	214 °C
POUR POINT	-27 °C
VISCOSITY INDEX	102

H-EP GEAR  
85W140

This is an extreme-pressure gear oil for gear boxes, specifically formulated to satisfy the highest service conditions: high speed, shockloads and high torque at low speeds. Recommended for all hypoid transmissions and also suitable for spiral bevel gears, worm wheels and most transaxles.

PERFORMANCE LEVEL	
API GL-5, MIL-L-2105 C, MIL-L-2105 D, ZF TE-ML 05A / 07A / 12E / 16B / 16C / 16D / 17B / 19B	

VISCOSITY at 100°C mm²/s	25.7
FLASH POINT	224 °C
POUR POINT	-15 °C
VISCOSITY INDEX	95





# 2 stroke & 4 stroke

43 2 STROKE  
44 4 STROKE  
4E FORK OIL

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



## 2 Stroke

POWER 2T  
RACING

This is a full synthetic motor oil based on carefully selected very high quality base oils for air cooled 2-stroke gasoline engines. This oil is specifically designed for two-stroke engines of motorcycles with mixed or separate lubrication. It assures a remarkable cleanliness of the engine, and has a high lubricity and a high thermal stability. It substantially avoids the formation of exhaust smoke. Due to its universal character this lubricant is suitable as well with small displacement engines as with heavy motorcycles. Satisfies the requirements of high specific power engines, such as Kawasaki, Suzuki, Yamaha or Honda.

### PERFORMANCE LEVEL

API TC, ISO-L-EGD, PIAGGIO  
HEXAGON, JASO FC/FD  
HUSQVARNA

VISCOSITY at 100°C mm²/s	11.4
FLASH POINT	78 °C
POUR POINT	-45 °C
VISCOSITY INDEX	135

POWER 2T  
ZTT

This is a semi-synthetic motor oil based on carefully selected highly refined base oils, intended for the lubrication of 2-stroke gasoline engines with high specific power. This oil combines a high lubricity with a high thermal stability. Easily miscible with gasoline and efficient protection against deposits.

### PERFORMANCE LEVEL

API TC, ISO-L-EGD, JASO FD  
HUSQVARNA 272, GLOBAL GD

VISCOSITY at 100°C mm²/s	9.5
FLASH POINT	116 °C
POUR POINT	-25 °C
VISCOSITY INDEX	129

POWER  
2T

Oil for air-cooled 2-stroke gasoline motors. Suitable for machines where the reservoir is filled with a mixture of gasoline and oil, and for those with separate reservoirs. This oil is easily miscible with gasoline and ensures a good protection of the pistons and segments from overheating. This oil is applicable for all air cooled 2-stroke gasoline engines with a dilution content of 2% (1 to 50) and 4% (1 to 25). This according to the constructor's requirements. Engine protection: excellent engine performance. Corrosion protection: adequate corrosion protection.

### PERFORMANCE LEVEL

API TC, JASO FB, ISO-L-EGB

VISCOSITY at 100°C mm²/s	9.5
FLASH POINT	152 °C
POUR POINT	-8 °C
VISCOSITY INDEX	115

POWER 2T  
OUTBOARD

This is an oil for water-cooled 2-stroke outboard motors, meeting the NMMA-specification TC-W3. Its ashless composition prevents the formation of deposit, pre-ignition and spark plug fouling. High protection against rust and corrosion. All water-cooled 2-stroke gasoline engines with high power, such as outboard motors, jet skis and personal watercraft. Dilution according to the manufacturer's instructions. Engine protection : outstanding engine cleanliness and durability and outstanding adequate corrosion protection.

### PERFORMANCE LEVEL

NMMA TC-W3, OMC 40/70

VISCOSITY at 100°C mm²/s	7.88
FLASH POINT	105 °C
VISCOSITY INDEX	129





4 Stroke

MOTO-TEC 4T FS  
5W50

MOTO-TEC 4T FS  
10W40

MOTO-TEC 4T FS  
10W50

MOTO-TEC 4T FS  
10W60

SCOOT-TEC  
10W40

MOTO-TEC 4T ST  
5W40

MOTO-TEC 4T ST  
5W50

MOTO-TEC 4T ST  
10W40

MOTO-TEC 4T ST  
10W50

MOTO-TEC 4T ST  
15W50

A new generation synthetic motor oil for four-stroke motorcycles formulated with synthetic base oils combined with special developed balanced additives to achieve the following properties: a high and stable viscosity index / optimal friction characteristics / a very strong protection against wear, corrosion and foaming / a very good detergency and dispersion.

Is a fully synthetic motor oil and contains a dedicated ester technology to provide extra protection against wear, deposits, sludge and oxidation under all conditions. Is suitable for touring, racing, as well as for cross applications, under all conditions.

PERFORMANCE LEVEL

API SN, JASO MA2

A new generation synthetic motor oil for four-stroke motorcycles formulated with synthetic base oils combined with special developed balanced additives to achieve the following properties: a high and stable viscosity index / optimal friction characteristics / a very strong protection against wear, corrosion and foaming / a very good detergency and dispersion

PERFORMANCE LEVEL

API SN, JASO MA2

VISCOSITY at 100°C mm²/s	12.5-16.3
FLASH POINT	200 °C
POUR POINT	-42 °C
VISCOSITY INDEX	150

Is a fully synthetic motor oil and contains a dedicated ester technology to provide extra protection against wear, deposits, sludge and oxidation under all conditions. Is suitable for touring, racing, as well as for cross applications, under all conditions. This oil can also be used in motorcycle transmissions where an API SF, SG, SH, SJ or SL oil is prescribed.

PERFORMANCE LEVEL

API SN, JASO MA2

VISCOSITY at 100°C mm²/s	24.6
FLASH POINT	206 °C
POUR POINT	-42 °C
VISCOSITY INDEX	175

Is suitable for all kinds of new generation scooters and offers excellent protection against wear, deposits, sludge and oxidation under all conditions. This product is suitable if the following specifications are required, API SL and JASO MA.

PERFORMANCE LEVEL

API SL, JASO MA

VISCOSITY at 100°C mm²/s	10.9
FLASH POINT	220 °C
POUR POINT	-39 °C
VISCOSITY INDEX	145



A new generation semi-synthetic motor oil for four-stroke motorcycles formulated with high quality mineral and synthetic base oils combined with special developed balanced additives.

PERFORMANCE LEVEL

API SJ, JASO MA2  
JASO MA

VISCOSITY at 100°C mm²/s	14
FLASH POINT	220 °C
POUR POINT	-33 °C
VISCOSITY INDEX	166

A new generation semi-synthetic motor oil for four-stroke motorcycles formulated with high quality mineral and synthetic base oils combined with special developed balanced additives.

PERFORMANCE LEVEL

API SJ, JASO MA2  
JASO MA

VISCOSITY at 100°C mm²/s	18
FLASH POINT	232 °C
POUR POINT	-42 °C
VISCOSITY INDEX	171

A new generation semi-synthetic motor oil for four-stroke motorcycles formulated with high quality mineral and synthetic base oils combined with special developed balanced additives

PERFORMANCE LEVEL

API SL, JASO MA2  
JASO MA

VISCOSITY at 100°C mm²/s	15
FLASH POINT	210 °C
POUR POINT	-30 °C
VISCOSITY INDEX	156

This is a semi synthetic motor oil based on carefully selected highly refined base oils. This oil is for 4-stroke engines for normal and intensive use. Enforced formula with extreme pressure additives for gear boxes. Its special formulation avoids slipping of wet clutches and ensures excellent dispersant and detergent action. It offers optimum protection and longer lifetime of the engine..

PERFORMANCE LEVEL

API SL, JASO MA/MA2

VISCOSITY at 100°C mm²/s	17.5
FLASH POINT	224 °C
POUR POINT	-36 °C
VISCOSITY INDEX	160

A new generation semi-synthetic motor oil for four-stroke motorcycles formulated with high-quality mineral and synthetic base oils combined with special developed balanced additives

PERFORMANCE LEVEL

API SN, JASO MA/ MA2

VISCOSITY at 100°C mm²/s	17.5
FLASH POINT	220 °C
POUR POINT	-30 °C





SNOW-TEC  
0W40

DOUBLE  
ESTER

It is a 100% synthetic motor oil for snowmobiles with 4T engines. Its low viscosity allows the engine to develop its maximum performance in intense cold or snow. It presents an excellent performance at low temperatures which ensures lubrication of all engine components under extreme environmental conditions.

PERFORMANCE LEVEL  
API SN, JASO MA2

VISCOSITY at 100°C mm²/s	12.5-16.3
FLASH POINT	250 °C
POUR POINT	-50 °C
VISCOSITY INDEX	180

SNOW-TEC  
5W40

DOUBLE  
ESTER

It is a 100% synthetic motor oil for snowmobiles with 4T engines. Its low viscosity allows the engine to develop its maximum performance in intense cold or snow. It presents an excellent performance at low temperatures which ensures lubrication of all engine components under extreme environmental conditions.

VISCOSITY at 100°C mm²/s	15.8
FLASH POINT	243 °C
POUR POINT	-42 °C
VISCOSITY INDEX	183

QUAD-TEC  
0W40

DOUBLE  
ESTER

These oil is a 100% synthetic motor oil with anti-friction treatment specifically designed to be used in A.T.V. engines. The product is designed for use in both, wet or dry clutch applications. is formulated with PAO and ESTER synthetic base oils as well as the latest technology additives.

VISCOSITY at 100°C mm²/s	12.5-16.3
FLASH POINT	250 °C
POUR POINT	-50 °C
VISCOSITY INDEX	183

QUAD-TEC  
5W40

DOUBLE  
ESTER

This oil is a 100% synthetic motor oil with anti-friction treatment specifically designed to be used in A.T.V. engines. The product is designed for use in both, wet or dry clutch applications. is formulated with PAO and ESTER synthetic base oils as well as the latest technology additives.

PERFORMANCE LEVEL  
API SL, JASO MA

VISCOSITY at 100°C mm²/s	15.8
FLASH POINT	243 °C
POUR POINT	-42 °C
VISCOSITY INDEX	183

MOTO-TEC RACING  
5W50

DOUBLE  
ESTER

A new generation synthetic motor oil for four-stroke motorcycles formulated with synthetic base oils combined with special developed balanced additives to achieve the following properties: a high and stable viscosity index / optimal friction characteristics / a very strong protection against wear, corrosion and foaming / a very good detergency and dispersion. This oil is special developed for the lubrication of four-stroke motorcycles, so that sliding, sticking and/or rough changing of the clutch-plates no longer occurs. This oil is developed and tested in co-operation with the most important motorcycle producers and has its performance demonstrated in the field.

PERFORMANCE LEVEL  
API SL, JASO MA/MA2

VISCOSITY at 100°C mm²/s	17.30
FLASH POINT	242 °C
POUR POINT	-24 °C
VISCOSITY INDEX	160



MOTO-TEC RACING  
10W40

DOUBLE  
ESTER

A new generation of synthetic four-stroke motor oil based on specially selected base oils combined with specially developed balanced additives. This oil has been specially developed for the lubrication of four-stroke motorcycle engines, so it slip, paste and / or rough shifting the clutch plates belong to the past. This oil has been developed in close cooperation with the major motorcycle manufacturers and has been tested and proven abilities in practice.

PERFORMANCE LEVEL  
API SM, JASO MA2

VISCOSITY at 100°C mm²/s	12.5-16.3
FLASH POINT	226 °C
POUR POINT	-45 °C
VISCOSITY INDEX	180

MOTO-TEC RACING  
10W50

DOUBLE  
ESTER

This motor oil has been specially developed for the lubrication of four-stroke motorcycle engines, so it slip, paste and / or rough shifting the clutch plates belong to the past. This oil has been developed in close cooperation with the major motorcycle manufacturers and has been tested and proven abilities in practice.

PERFORMANCE LEVEL  
API SM, JASO MA2

VISCOSITY at 100°C mm²/s	16.3-21.9
FLASH POINT	233 °C
POUR POINT	-47 °C
VISCOSITY INDEX	180

MOTO-TEC RACING  
10W60

DOUBLE  
ESTER

High performance 100% synthetic motor designed for the "Official Teams" and specially created to offer greater "sensitivity" of the clutch to the pilot and to improve the motor coupling with a protection for the engine and the gearbox. For Motorcycles equipped with 4-stroke engines with integrated gearbox or not and clutch bathed in oil or dry, racing engines that work in high temperatures and eleva-ted engine regimes: Off-road motorcycles, Enduro, Quads, etc ... Formulated with PAO and Ester base oils. These Esters associated with a selection of high-performance PAO base oils and additives of last generation, working together to form the Ester RACE technology.

PERFORMANCE LEVEL  
API SN, JASO MA2

VISCOSITY at 100°C mm²/s	21.9-26.1
FLASH POINT	230 °C
POUR POINT	-45 °C
VISCOSITY INDEX	170

MOTO-TEC RACING  
15W50

DOUBLE  
ESTER

A new generation synthetic motor oil for four-stroke motorcycles formulated with synthetic base oils combined with special developed balanced additives to achieve the following properties: a high and stable viscosity index / optimal friction characteristics / a very strong protection against wear, corrosion and foaming / a very good detergency and dispersion.

PERFORMANCE LEVEL  
API SM, JASO MA2

VISCOSITY at 100°C mm²/s	16.3-21.9
FLASH POINT	224 °C
POUR POINT	-31 °C
VISCOSITY INDEX	150

MOTO-TEC RACING  
20W50

DOUBLE  
ESTER

A new generation synthetic motor oil for four-stroke motorcycles formulated with synthetic base oils combined with special developed balanced additives This oil is special developed for the lubrication of four-stroke motorcycles, so that sliding, sticking and/or rough changing of the clutch-plates no longer occurs.

PERFORMANCE LEVEL  
API SL, JASO ma/MA2

VISCOSITY at 100°C mm²/s	19.6
FLASH POINT	236 °C
POUR POINT	-51 °C
VISCOSITY INDEX	172





## 4 Stroke

MOTO-TEC 4T  
**10W40**

MOTO-TEC 4T  
**20W50**

A mineral motor oil for four stroke motor-cycles formulated with high quality mineral base oils combined with balanced additives

A mineral engine oil for four stroke motor-cycles formulated with high quality mineral base oils combined with balanced additives

PERFORMANCE LEVEL
API SL, JASO MA/MA2

PERFORMANCE LEVEL
API SG , JASO MA/MA2

VISCOSITY at 100°C mm²/s	<b>14</b>
FLASH POINT	<b>218 °C</b>
POUR POINT	<b>-33 °C</b>
VISCOSITY INDEX	<b>168</b>

VISCOSITY at 100°C mm²/s	<b>19</b>
FLASH POINT	<b>234 °C</b>
POUR POINT	<b>-33 °C</b>
VISCOSITY INDEX	<b>138</b>



## Fork oil

FORK OIL  
**5**

This fork oil is based on mineral base oils with a very high viscosity index. This will provide optimum dampening control over a wide temperature range in any circumstances (on- and off-road). Its excellent anti-corrosion and anti-wear properties will contribute to long service life. This lubricant also has quick air release, low foaming tendency and excellent elastomer compatibility.

PERFORMANCE LEVEL
DIN 51524 Part 3

VISCOSITY at 100°C mm²/s	<b>3.9</b>
FLASH POINT	<b>180 °C</b>
VISCOSITY INDEX	<b>155</b>





# Marine

51 OUTBOARD  
51 INBOARD

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



## Outboard

SEA TEC  
10W40

OUT-  
BOARD

A four stroke engine oil for outboard application, formulated with carefully selected high quality base oils and special four stroke additives to achieve the following properties: A perfect lubrication of all motor parts. A very active detergency, resulting in a cleaner motor compartment. Good cold start properties A very strong activity against wear, oxidation and corrosion. Excellent shear stability.

### PERFORMANCE LEVEL

NMMA FC-W, YAMAHA  
MERCURY VERADO, SUZUKI  
HONDA, JOHNSON/EVINRUDE  
TOHATSU / NISSAN

VISCOSITY at 100°C mm²/s	13.4
FLASH POINT	218 °C
POUR POINT	0.870 °C
VISCOSITY INDEX	151

SEA TEC  
25W40

OUT-  
BOARD

A stroke engine oil for outboard motors, based on high quality base oils and special additives, giving the following properties: Lubrication of all engine components . a very strong detergency, allowing the engine stays cleaner - Good cold starting properties -a very strong anti-corrosion, anti-oxidation and anti-wear capability. Excellent “shear stability”

### PERFORMANCE LEVEL

NMMA FC-W

VISCOSITY at 100°C mm²/s	15.5
FLASH POINT	244 °C
POUR POINT	-21 °C
VISCOSITY INDEX	104

## Inboard

HD MARINE  
1230

INBOARD

This engine oil for diesel engines for marine applications, is based on top-grade solvent-refined base oils and multifunctional additives.

### PERFORMANCE LEVEL

API CF, Mil-L-2104C  
DEF STAN 91-22/2

VISCOSITY at 100°C mm²/s	11.7
FLASH POINT	252 °C
POUR POINT	-21 °C
VISCOSITY INDEX	99
TBN	12.5

HD MARINE  
1240

INBOARD

This marine engine oil is suitable as lubrication oil of high- and medium speed marine diesel engines with or without turbo-charging and the use of distillate diesel fuel. Due to its load-carrying properties This oil also can be used in shipboard gearboxes.

### PERFORMANCE LEVEL

API CF, Mil-L-2104C  
DEF STAN 91-22/2

VISCOSITY at 100°C mm²/s	15.1
FLASH POINT	258 °C
POUR POINT	-21 °C
VISCOSITY INDEX	99
TBN	12.5

HD MARINE  
1640

INBOARD

This marine engine oil is suitable as lubricating oil of high- and medium speed marine diesel engines with or without turbo-charging and the use of distillate diesel fuel where the sulphur content is less then 1.8%. Due to its load-carrying properties this oil can also be used in shipboard gearboxes.

### PERFORMANCE LEVEL

API CF, Mil-L-2104C  
DEF STAN 91-22/2

VISCOSITY at 100°C mm²/s	14.4
FLASH POINT	252 °C
POUR POINT	-21 °C
VISCOSITY INDEX	92
TBN	16.3





HD MARINE  
2040

INBOARD

This marine engine oil for diesel engines for marine applications, is based on top-grade solvent-refined base oils and multifunctional additives.

PERFORMANCE LEVEL  
API CF, MII-L-2104C

VISCOSITY <i>at 100°C mm²/s</i>	11.7
FLASH POINT	254 °C
POUR POINT	-21 °C
VISCOSITY INDEX	103
TBN	20.3

HD MARINE  
3040

INBOARD

This marine engine oil is suitable as lubricating oil for more heavy marine diesel engines with or without turbo-charging and the use of distillate diesel fuel where the sulphur content is above 1,8%.

PERFORMANCE LEVEL  
API CF, MII-L-2104C

VISCOSITY <i>at 100°C mm²/s</i>	14.9
FLASH POINT	250 °C
POUR POINT	-21 °C
VISCOSITY INDEX	104
TBN	30

HD MARINE  
4040

INBOARD

Is a premium quality multifunctional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a max. sulphur content of 4,9% in marine, power generation and industrial applications. Is based on high quality virgin mineral base oil in combination with an unique additive package

PERFORMANCE LEVEL  
API CD

VISCOSITY <i>at 100°C mm²/s</i>	14.3
FLASH POINT	>240 °C
POUR POINT	-24 °C
VISCOSITY INDEX	102
TBN	40

HD MARINE  
7050

INBOARD

This marine engine oil is suitable as lubricating oil for more heavy marine diesel engines with or without turbo-charging and the use of distillate diesel fuel where the sulphur content is above 1,8%.

VISCOSITY <i>at 100°C mm²/s</i>	19.6
FLASH POINT	180 °C
POUR POINT	-27 °C
VISCOSITY INDEX	101

HD MARINE  
GM 2T

INBOARD

An engine oil for "railroad" and stationary diesel engines produced with high quality solvent refined base oils and a well-balanced choice of additives. This engine oil has the following properties:

- excellent detergency and dispersion
- a powerful action against wear, corrosion and foam
- zincfree and non chlorinated
- improved oil filter life

PERFORMANCE LEVEL  
API CF/CF-2

VISCOSITY <i>at 100°C mm²/s</i>	14.3
FLASH POINT	260 °C
POUR POINT	-15 °C
VISCOSITY INDEX	102





# Agricultural

- 56 UTTO
- 57 STOU
- 58 CAT
- 59 CHAIN SAW
- 59 GARDEN

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



# Product Characteristics

- UTTO Agriculture: Universal tractor transmission oil
- STOU Agriculture: Super tractor oil
- CAT Lubricant especially designed for Caterpillar, transmission oil and oil for wet clutches and hydraulic, no engine oil





UTTO

HYTRANS BM  
10W20



Special oil designed for automatic transmissions, hydraulic systems, brakes and clutches of tractors, forklifts and off-road equipment. This oil (Universal Tractor Transmission Oil) should never be used to lubricate the engine. When the manufacturer requires an oil for the lubrication of all parts including the engine, he refers to a super tractor oil universal.

PERFORMANCE LEVEL

AGCO/ALLIS 821 XL, API GL-4 CASE MAT3505/3525/3526 CASE MAT 3540, CASE MS1206/ 1207/1209, CLAAS RENAULT AGRICULTURE, DIN 51524 T3 HVLPD, FORD ESN-M2C134 D FNHA-2-C-201.00, JD J20 D KUBOTA UDT, KUBOTA UDT² MC CORMICK HTX, MF M 1143 KO-MATSU AXO 80, MF M 1145 NH NH 410B/C, VALTRA G2-08 VALTRA G2-B10 VOLVO 97303/ WB101, VOLVO 97304/WB102, ZF TE-ML 03E/05F/06D/06K/ 06N/06R/17E/21

VISCOSITY at 100°C mm²/s	6.55
FLASH POINT	208 °C
POUR POINT	-45 °C
VISCOSITY INDEX	123

HYTRANS BM  
10W30/80W



Special oil designed for automatic transmissions, hydraulic systems, brakes and clutches of tractors, forklifts and off-road equipment. This oil (Universal Tractor Transmission Oil) should never be used to lubricate the engine. When the manufacturer requires an oil for the lubrication of all parts, including the engine, he refers to a super tractor oil universal.

PERFORMANCE LEVEL

API GL 4, ALLISON C3/C4, MAT3525, 3505, 3540, CASE MS1206/MS1207/MS1209/ MS1210, CAT TO-2, FORD ESN-M2C-134 C/D, FORD ESN-M2C-86 C/M2C-86A, JD J20 C/D, MF M 1127/M 1129A/M 1135/ M 1143/ M1145, NH NH 410B VOLVO WB 101, ZF 03E/05F/06K/17E

VISCOSITY at 100°C mm²/s	9.7
FLASH POINT	204 °C
POUR POINT	-36 °C
VISCOSITY INDEX	149

HYTRANS BM  
20W30



Special oil designed for automatic transmissions, hydraulic systems, brakes and clutches of tractors, forklifts and off-road equipment. This oil (Universal Tractor Transmission Oil) should never be used to lubricate the engine. When the manufacturer requires an oil for the lubrication of all parts including the engine, he refers to a super tractor oil universal.

PERFORMANCE LEVEL

API GL 4, ALLIS CHALMERS PF-821, ALLISON C3/C4, CASE MS1205/MS1206, FORD ESN-M2C-134 A/B - 86 A/B MF M 1135, NH NH 420A, RENAULT THFI, ZF 05E

VISCOSITY at 100°C mm²/s	10.9
FLASH POINT	220 °C
POUR POINT	-33 °C
VISCOSITY INDEX	106

HYTRANS BM  
CVT



ARDECA HYTRANS BM CVT is a multifunctional oil for agricultural, forestry and construction machinery. The recommended areas of application are gearboxes, hydraulic systems and wet brakes.

PERFORMANCE LEVEL

API GL-4 80W ALLISON C-4 ARGO VT-DRIVE CASE ICH CVXDRIVE CATERPILLAR TO-2 CNH 410 B CNH MAT 3540 CNH MAT 3525, CNH MAT 3505 CNH MS 1206, CNH MS 1207 CNH MS 1209 DEUTZ-FAHR (SDF) T5400 CVT AND T3500 CVT EATON/SPERRY VICKERS I-280-S EATON/SPERRY VICKERS M-2950-S FENDT VARIO CVT TRANSMISSIONS FORD ESN-M2C86-C, FORD ESN-M2C134-D JOHN DEERE J20 C ( AUTOPOWR / AUTOPOWR IVT TRANS) KUBOTA UDT MASSEY FERGUSON CMS M1141/M1143 MASSEY FERGUSON CMS M1145 NEW HOLLAND CVT SAUER SUNSTRAND/DANFOSS (HYDROSTATIC TRANS FLUID) VALTRA G2-08 VDS CVT GETRIEBE VOLVO WB 101 ZF TE-ML 3E/06E/17E/05F/06F/21F/06K

VISCOSITY at 100°C mm²/s	9.4
POUR POINT	-42 °C
VISCOSITY INDEX	147



STOU

AGRITRAC  
10W30



Universal multigrade motor oil for engines, transmissions, wet brakes and hydraulic systems of agricultural tractors. Anti-wear and oxidation stability, proven protection of critical parts. Cold start excellent fluidity at low temperature. This multigrade oil is advised for the lubrication of charged and uncharged diesel engines (TURBO), 4-stroke gasoline engines and LPG-engines. This oil is intended for the lubrication of gear boxes, differentials, final drives, power take-off, wet brakes and hydraulic systems of agricultural tractors.

PERFORMANCE LEVEL

ACEA E3, ALLISON C4 (Agriculture applic.) API CG-4 / GL4 / GL5 (Low speed/high torque), API SF/ CE CASE MAT 3525, CASE MAT 3526, CATERPILLAR TO-2 , EATON VICKERS I-280-S/M-2950-S, FORD SN-M2C134 C/D / ESN-M2C159 B/C, FORD FNH 82009203 JD J20C/J27, MF M 1135/1139 MF M 1143/1144/1145 NH NH 030C/NH 410B/NH 420A ZF TE-ML 03A/05K/06A/06B 06C/07B/07D

VISCOSITY at 100°C mm²/s	11.4
FLASH POINT	216 °C
POUR POINT	-36 °C
VISCOSITY INDEX	144

AGRITRAC  
15W30



Universal multigrade motor oil for engines, transmissions, wet brakes and hydraulic systems of agriculture tractors. This multigrade oil is advised for the lubrication of charged and uncharged diesel engines, 4-stroke gasoline and LPG-engines. This oil is intended for the lubrication of gear boxes, differentials, final drives, power take-off, wet brakes and hydraulic systems of agricultural tractors and engines of off-highway equipment.

PERFORMANCE LEVEL

ACEA E3, AFNOR NF E 68-603 E, ALLISON C4 (Agriculture applic.), API CG-4/ GL4/ GL5 (Low speed/high torque) API SF/CE CASE MAT 3525/3526, EATON VICKERS M-2950-S CAT TO-2, FORD ESN-M2C134 C/D / ESN-M2C159 B/C FORD ESN-M2C134 C/D/ ESN-M2C159 B/C FORD FNH 82009203, JD J20C/J27, MF M 1135/1139 MF M 1143/1144/1145, NH NH 024CZF TE-ML 03A/05K/06A/ 06B/06C/07B/07D

VISCOSITY at 100°C mm²/s	10.8
FLASH POINT	222 °C
POUR POINT	-36 °C
VISCOSITY INDEX	118

AGRITRAC  
15W40



Universal multigrade motor oil for engines, transmissions, wet brakes and hydraulic systems of agriculture tractors. This oil is intended for the lubrication of gear boxes, differentials, final drives, power take-off, wet brakes and hydraulic systems of agricultural tractors and engines off-highway equipment.

PERFORMANCE LEVEL

ACEA E3, ALLISON C4 (AGRI APPLIC.), API CG-4/GL 4/GL 5 (LOW SPEED/HIGH TORQUE), API SF/CE CASE MAT 3525 / 3526, EATON VICKERS M-2950-S, FORD ESN-M2C134 C/D, ESN-M2C159 B/C, FORD ESN-M2C134 C/D/ ESN-M2C159 B/C FORD FNH 82009203, JD J20C/J27, MF M 1135/1139 MF M 1143/1144/1145, NH NH 024CZF TE-ML 03A/05K/06A/ 06B/06C/07B/07D

VISCOSITY at 100°C mm²/s	13
FLASH POINT	218 °C
POUR POINT	-35 °C
VISCOSITY INDEX	137

AGRITRAC EXTRA  
10W40



Special oil designed for automatic transmissions, hydraulic systems, brakes and clutches of tractors, forklifts and off-road equipment. This oil (Universal Tractor Transmission Oil) should never be used to lubricate the engine.

PERFORMANCE LEVEL

ACEA E3, API SF/CE, API CG-4, API GL 4, API GL 5 (LOW SPEED/ HIGH TORQUE), ALLISON C4 (AGRI APPLIC.), CASE MAT 3525, CASE MAT 3526, CATERPILLAR TO-2 EATON VICKERS I-280-S EATON VICKERS M-2950-S FORD ESN-M2C134 C/D FORD ESN-M2C159 B/C FORD FNH 82009203 JD J20C, JD J27, MF M 1144 MF M 1145, NH 024C, NH 410B NH 420A, ZF TE-ML 03A/05K/06A/06B/06C/07B/07D

VISCOSITY at 100°C mm²/s	14.1
FLASH POINT	225 °C
POUR POINT	-39 °C
VISCOSITY INDEX	154

TP HYTRAMAX  
10W30



Lubricant for equipment used in construction, agriculture and public works machines.For engines,hydraulic systems, manual and powershift transmissions.

PERFORMANCE LEVEL

ACEA E9/E7/E5, ALLISON C4 API C-J-4/CI-4+/CI-4/CH-4 API GL-4/SAE30, CASE MS1230 CAT ECF-3/ECF-2/ECF-1a, CAT HYDO ADVANCED 10/30, CAT TO-4 (SAE10W,30), CUMMINS CES 20081/78/77/76, DEUTZ DQC-III-10/10LA, GLOBAL DHD-1 ISO VG 46(AFTER 100H)/HV JASO DH-1/DH-2, JCMA HK 46W(EXTEND.DRAIN),KOMATSU CLUTCH, KOMATSU HO-46 (HV) MACK EO-O PREMIUM PLUS MAN M3275-1/M3575, MB 228.3/228.31, MTU OIL CATEGORY 2 / 2.1, RENAULT APPROVAL RLD-2/RLD-3, VOLVO VDS-3/ VDS-4, ZF TE-ML 07D

VISCOSITY at 100°C mm²/s	11
POUR POINT	-36 °C
VISCOSITY INDEX	157

CAT

ALCAT TDTO  
10

CAT

This is a motor oil, which has been specifically formulated to satisfy the requirements of Caterpillar TDTO (Transmission/Drive Train Oil). Has been developed for use in Caterpillar friction devices, like power shift transmissions, clutches and brakes and in other drive train components, such as final drives, bevel gears and differentials.This oil is also suitable as hydraulic oil (CAT HYDO ADVANCED 10) in Caterpillar equipment.

PERFORMANCE LEVEL

ALLISON C4, CATERPILLAR TO-4, ISO 32, KOMATSU KES 07.868.1

VISCOSITY at 100°C mm²/s	6.61
FLASH POINT	248 °C
POUR POINT	-30 °C
VISCOSITY INDEX	125

ALCAT TDTO  
30

CAT

This is a motor oil, specifically formulated to meet the requirements of Caterpillar for use in transmissions, final drives and wet brakes (Cat TDTO)

PERFORMANCE LEVEL

ALLISON C4, CATERPILLAR TO-4, ISO 100, KOMATSU KES 07.868.1 SAE 30

VISCOSITY at 100°C mm²/s	11.4
FLASH POINT	180 °C
POUR POINT	+24 °C
VISCOSITY INDEX	91

ALCAT TDTO  
50

CAT

This is a motor oil, specifically formulated to meet the requirements of Caterpillar for use in transmissions, final drives and wet brakes (Cat TDTO)

PERFORMANCE LEVEL

ALLISON C4, CATERPILLAR TO-4, ISO 220, KOMATSU KES 07.868.1 SAE 50

VISCOSITY at 100°C mm²/s	18.8
FLASH POINT	180 °C
POUR POINT	-12 °C
VISCOSITY INDEX	91

ALCAT TDTO  
60

CAT

A special motor oil for hydraulic and trasmissie application based on solvent-refined base oils are added waaran special additives to obtain the following properties: Low pour point / Very good oxidation stability / Very good anti-wear properties, allowing a longer life of the final drives / Special friction properties, which geranderen optimal use of the power shift trasmissies / Suitable for systems with wet brakes / Excellent anti-corrise and anti-hiding properties.

PERFORMANCE LEVEL

ALLISON C4, CATERPILLAR TO-4

VISCOSITY at 100°C mm²/s	25.2
FLASH POINT	240 °C
POUR POINT	-12 °C
VISCOSITY INDEX	-12



Chain saw

ADHESIVE M  
150

This mineral chain-saw oil is based upon high quality low aromatic solvent-refined base oils under addition of special additives to obtain the following properties  
- a very high grade of tackiness, preventing the oil from fling of the chain  
- excellent lubricity

VISCOSITY at 100°C mm²/s	14.8
FLASH POINT	245 °C
POUR POINT	-20 °C
VISCOSITY INDEX	98



BIO CHAIN OIL  
150

This is a mineral chain-saw oil based upon total biodegradable vegetable oils under addition of special additives to obtain the tackiness and lubricity of the oil. The base oil of this biodegradable chain-saw oil and the special selected additives will be degraded by the environment in short time. Even at high temperatures this oil keeps a high grade of tackiness, preventing the oil to fling of the chain. This product has been especially formulated to lubricate the chain, preventing the chain from overheating and loss of strength. **The chain-saw oil cannot be used for the lubrication of the engine of the saw.**

PERFORMANCE LEVEL

CEC L-33-T-82  
ISO 68

VISCOSITY at 100°C mm²/s	13.6
FLASH POINT	>200 °C
POUR POINT	-21 °C
VISCOSITY INDEX	204

Garden

GARDEN OIL  
30

Mineral motor oil of high quality, suitable for light charged diesel and gasoline engines (supercharged or naturally aspirated). This monograde oil is recommended for gasoline and diesel engines of lawn-mowers. Total engine protection : engine protection and cleanliness.

PERFORMANCE LEVEL

ACEA E2, API SG, MB 227.0 / 228.0, MAN 270

VISCOSITY at 100°C mm²/s	15.1
FLASH POINT	244 °C
POUR POINT	-15 °C
VISCOSITY INDEX	102





# Industrial oil

- 61HYDRAULIC OIL
- 64GEAR OIL
- 66HEAT TRANSFER OIL
- 67COMPRESSOR OIL
- 68MEDICAL WHITE OIL
- 68SLIDEWAY OIL
- 69ANTI-ASPHALT ADHESIVE

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



## Hydraulic oil

HYDRO HVI 15	HYDRO HVI 22	HYDRO HVI 32	HYDRO HVI 46	HYDRO HVI 68
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A high viscosity index hydraulic oil, based on selected ingredients, specifically intended for use in hydraulic circuits. Superior performance in keeping the system clean by reducing the formation of deposits. It also demonstrates good filterability, water separation , and quick air release. This oil is suitable for hydraulic systems, functioning at variable temperatures and high pressures. It can also be used in gear boxes, which require an oil with a high viscosity index and assuring mechanical and chemical stability.

PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL
AFNOR NF E 48-603 HV, DIN 51524 part 3 HVLP, ISO 11158/HV, ASTM D 6158 HV	AFNOR NF E 48-603 HV, DIN 51524 part 3 HVLP, ASTM D 6158 HV, ISO 11158 HV	AFNOR NF E 48-603 HV, CIN- CINNATI MACHINE P-688 (ISO 32), DENISON HF-0/HF-1/HF- 2, GM LS-2, DIN 51524 part 3 HVLP, EATON brochure 694 for 35VQ25A, ISO 11158 HV, ASTM D 6158 HV	AFNOR NF E 48-603 HV/NF E 48-690/NF E 48-691, CINCIN- NATI MACHINE P-70 (ISO 46), DENISON HF-2, ASTM D 6158 HV, DIN 51524 PART 3 HVLP, EATON VICKERS I-286-S/ M-2950-S, ISO 11158 HV/6743-4 HV	AFNOR NF E 48-603 HV, CINNINNATE MACHINE P-69 (IOS68), DENSION HF-0/HF-1/ HF-2, ASTM D 6158 HV, DIN EATON BROCHURE 694 FOR 35VQ25A, GM LS-2, ISO
VISCOSITY at 100°C mm²/s	VISCOSITY at 100°C mm²/s	VISCOSITY at 100°C mm²/s	VISCOSITY at 100°C mm²/s	VISCOSITY at 100°C mm²/s
FLASH POINT	FLASH POINT	FLASH POINT	FLASH POINT	FLASH POINT
POUR POINT	POUR POINT	POUR POINT	POUR POINT	POUR POINT
VISCOSITY INDEX	VISCOSITY INDEX	VISCOSITY INDEX	VISCOSITY INDEX	VISCOSITY INDEX
3.83	5.00	6.44	8.30	11.2
152 °C	192 °C	190 °C	200 °C	224 °C
-60 °C	-40 °C	-40 °C	-40 °C	-35 °C
143	163	159	165	157





HYDRO HLP HM  
10

HYDRO HLP HM  
15

HYDRO HLP HM  
22

HYDRO HLP HM  
32

HYDRO HLP HM  
46

A mineral oil, specifically designed to meet the requirements of the most important manufacturers of hydraulic equipment. It contains anti-wear, anti-oxidant, anti-corrosion and anti-foam additives. This oil is specifically designed to satisfy the requirements of the manufacturers of hydraulic systems where the highest demands are made concerning high pressure, temperatures or speeds. It is recommended for the hydraulic systems of the following types : Vickers, Gerotor, Gresen, HPM, Denison, Cessna, Hydreco and Worthington. It is also suitable for the lubrication of workshop equipment, reducing gears, bearings, compressed air systems and air screw compressors.

PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL
ANOR NF E 48-603 HM/ NF E 48-690/ NF E 48-691, DENISON HF-2, DIN 51524 part 2 HLP, EATON VICKERS I-286-S/M-2950-S, ISO 11158 HM/ 6743 HM	AFNOR: NF E 48-603 HM/ NF E 48-690/ NF E 48-691, DENISON HF-2, DIN 51524 Part 2 HLP, EATON VICKERS I-286-S / M-2950-S ISO 11158 HM/ 6743-4 HM	AFNOR NF E 48-603 HM/ NF E 48-690/ NF E 48-691, DENISON HF-2, DIN 51524 part 2 HLP, EATON VICKERS I-286-S/M-2950-S, ISO 11158 HM/ 6743-4 HM	AFNOR: NF E 48-603 HM/ NF E 48-690/ NF E 48-691 CINCINNATI MACHINE P-68 (ISO 32)/ DENISON HF-2 DIN 51524 Part 2 HLP EATON VICKERS I-286-S/M-2950-S, ISO 11158 HM/6743-4 HM	AFNOR: NF E 48-603 HM/ NF E 48-690/ NF E 48-691 CINCINNATI MACHINE P-70 (ISO 46)/ DENISON HF-2, DIN 51524 Part 2 HLP, EATON VICKERS I-286-S/M-2950-S, ISO 11158 HM/6743-4 HM
VISCOSITY at 100°C mm²/s2.60	VISCOSITY at 100°C mm²/s2.73	VISCOSITY at 100°C mm²/s4.3	VISCOSITY at 100°C mm²/s5.52	VISCOSITY at 100°C mm²/s6.97
FLASH POINT172 °C	FLASH POINT175 °C	FLASH POINT195 °C	FLASH POINT205 °C	FLASH POINT220°C
POUR POINT-30 °C	POUR POINT-35 °C	POUR POINT-35 °C	POUR POINT-30 °C	POUR POINT-30 °C
VISCOSITY INDEX90	VISCOSITY INDEX101	VISCOSITY INDEX96	VISCOSITY INDEX108	VISCOSITY INDEX110



HYDRO HLP HM  
68

HYDRO HLP HM  
100

HYDRO HLP HM  
100

HYDRO ZF  
46

ZINC-FREE

HYDRO ZF  
68

ZINC-FREE

A mineral oil, specifically designed to meet the requirements of the most important manufacturers of hydraulic equipment. It contains anti-wear, anti-oxidant, anti-corrosion and anti-foam additives. This oil is specifically designed to satisfy the requirements of the manufacturers of hydraulic systems where the highest demands are made concerning high pressure, temperatures or speeds.

PERFORMANCE LEVEL	PERFORMANCE LEVEL	PERFORMANCE LEVEL
AFNOR NF E 48-603 HM/NF E 48-690/NF E 48-691, CINCINNATI MACHINE P-69 (ISO 68), DENISON HF-2 HLP DIN 51524 Part 2, EATON VICKERS I-286-S/M-2950-S ISO 11158 HM/ 6743-4 HM	DIN 51524 Part 2 HLP, AFNOR NF E 48-603 HM, ISO 11158 HM, ASTM D 6158 HM	DIN 51524 Part 2 HLP, AFNOR NF E 48-603 HM, ISO 11158 HM, ASTM D 6158 HM
VISCOSITY at 100°C mm²/s8.70	VISCOSITY at 100°C mm²/s11.00	VISCOSITY at 100°C mm²/s14.60
FLASH POINT220°C	FLASH POINT235 °C	FLASH POINT245 °C
POUR POINT-25°C	POUR POINT-20 °C	POUR POINT-20 °C
VISCOSITY INDEX102	VISCOSITY INDEX97	VISCOSITY INDEX95



A high-grade zinc-free EP hydraulic oil based on selected solvent refined base oils having a natural viscosity index. This type of hydraulic fluid may be used for heavy duty hydraulic equipment, as well as for light-duty gearboxes and bearings. This hydraulic oil may also be used for lubrication systems, general lubrication and vacuum pumps (with the exclusion of turbines). This oil can be used in systems with silver parts.

PERFORMANCE LEVEL	PERFORMANCE LEVEL
DIN 51524-2 HLP, Denison HF-2, Cincinnati Machine P-70 Eaton (Vickers) I-286-S, US Steel 126/127, SEB 181 222, Mil-PRF-17672D	DIN 51524-2 HLP, Denison HF-2, Cincinnati Machine P-69 Eaton (Vickers) I-286-S, US Steel 126/127, SEB 181 222, Mil-PRF-17672D
VISCOSITY at 100°C mm²/s6.90	VISCOSITY at 100°C mm²/s8.70
FLASH POINT215°C	FLASH POINT248 °C
POUR POINT-30 °C	POUR POINT-30 °C
VISCOSITY INDEX103	VISCOSITY INDEX104





Gear oil

GEAR SP 150	GEAR SP 220	GEAR SP 320	GEAR SP 460	GEAR SY 150
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A synthetic industrial gear oil based on synthesized hydrocarbons (PAO) under addition of special additives. This synthetic oil is very suitable for the lubrication of heavy loaded mechanical gearboxes and bearings with a high thermal load. In comparison with mineral industrial gear oils a substantial extension of the oil drain interval is possible. This oil is compatible with all seal materials and paints normally specified for use with mineral oils. So no special change-over procedure is necessary.

<b>PERFORMANCE LEVEL</b> AGMA 9005-E02 (EP), AIST (US Steel) 224, David Brown S1.53.106, DIN 51517-3 CLP, ISO 12925-1 Type CKD	<b>PERFORMANCE LEVEL</b> DIN 51517-3 CLP, US Steel 224, AGMA 250.04/9005-D94, David Brown S1.53.101, Flender	<b>PERFORMANCE LEVEL</b> AGMA 9005-F16 (AS), AIST (US Steel) 224, David Brown S1.53.106, DIN 51517-3 CLP, Flender, ISO 12925-1 Type CKD	<b>PERFORMANCE LEVEL</b> DIN 51517-3 CLP, US Steel 224, AGMA 250.04/9005-D94 David Brown S1.53.101, Flender
VISCOSITY <i>at 100°C mm²/s</i> <b>22.00</b>	VISCOSITY <i>at 100°C mm²/s</i> <b>26.40</b>	VISCOSITY <i>at 100°C mm²/s</i> <b>39.90</b>	VISCOSITY <i>at 100°C mm²/s</i> <b>47.40</b>
FLASH POINT <b>250 °C</b>	FLASH POINT <b>205 °C</b>	FLASH POINT <b>260 °C</b>	FLASH POINT <b>201 °C</b>
POUR POINT <b>-45°C</b>	POUR POINT <b>-42°C</b>	FLASH POINT <b>260 °C</b>	POUR POINT <b>-36 °C</b>
VISCOSITY INDEX <b>171</b>	VISCOSITY INDEX <b>159</b>	POUR POINT <b>-42°C</b>	VISCOSITY INDEX <b>168</b>
		VISCOSITY INDEX <b>178</b>	

A synthetic industrial gear oil based on poly-alkylene-glycol under addition of special additives the following properties are obtained: a natural high viscosity index, excellent high and low temperature properties, a very good resistance towards high pressures and shock loads, a high resistance against oxidation, a long service life, a strong reduction of wear

<b>PERFORMANCE LEVEL</b> DIN 51517-3 CLP
VISCOSITY <i>at 100°C mm²/s</i> <b>24.00</b>
FLASH POINT <b>270 °C</b>
VISCOSITY INDEX <b>200</b>



GEAR SY 220	GEAR SY 320	GEAR OM 68	GEAR OM 100	GEAR OM 150
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A synthetic industrial gear oil based on poly-alkylene-glycol under addition of special additives the following properties are obtained:a natural high viscosity index, excellent high and low temperature properties, a very good resistance towards high pressures and shock loads, a high resistance against oxidation, a long service life, a strong reduction of wear

<b>PERFORMANCE LEVEL</b> DIN 51517-3 CLP	<b>PERFORMANCE LEVEL</b> DIN 51517-3 CLP
VISCOSITY <i>at 100°C mm²/s</i> <b>38.30</b>	VISCOSITY <i>at 100°C mm²/s</i> <b>52.70</b>
FLASH POINT <b>268 °C</b>	POUR POINT <b>-39 °C</b>
POUR POINT <b>-39 °C</b>	VISCOSITY INDEX <b>230</b>
VISCOSITY INDEX <b>204</b>	

This is an extreme pressure oil for industrial gears. The paraffinic character of the base oil ensures an excellent course of the viscosity/temperature curve and a high resistance against oxidation and ageing. The favorable property of mineral base oil is further strenghtenend by the addition of appropriate additives. The high pressure additives based on sulfur and phosphorus compounds form a chemical film on tooth surfaces and as such prevents wear and a noticeable reduction in friction. Special anti-corrosion and anti-foam additives complete the composition of this oil. It is recommended for the lubrication of gearboxes (lubrication by oil bath, oil mist or oil circulation) and it is specifically suitable for heavy loads and high temperature.

<b>PERFORMANCE LEVEL</b> AGMA 9005-E02, AISE 224 DAVID BROWN S1.53.101E DIN 51517 CLP	<b>PERFORMANCE LEVEL</b> AGMA 9005-E02, AISE 224 DAVID BROWN S1.53.101E DIN 51517 CLP, ISO 100	<b>PERFORMANCE LEVEL</b> AGMA 9005-E02, AISE 224, DAVID BROWN S1.53.101E, DIN 51517 CLP
VISCOSITY <i>at 100°C mm²/s</i> <b>9.20</b>	VISCOSITY <i>at 100°C mm²/s</i> <b>10.60</b>	VISCOSITY <i>at 100°C mm²/s</i> <b>14.50</b>
FLASH POINT <b>225 °C</b>	FLASH POINT <b>235 °C</b>	FLASH POINT <b>240°C</b>
VISCOSITY INDEX <b>103</b>	VISCOSITY INDEX <b>95</b>	VISCOSITY INDEX <b>93</b>



GEAR OM  
220

This is an extreme pressure oil for industrial gears. The paraffinic character of the base oil ensures an excellent course of the viscosity/temperature curve and a high resistance against oxidation and ageing. The favorable property of mineral base oil is further strenghtenend by the addition of appropriate additives. The high pressure additives based on sulfur and phosphorus compounds form a chemical film on tooth surfaces and as such prevents wear and a noticeable reduction in friction. Special anti-corrosion and anti-foam additives complete the composition of this oil. It is recommended for the lubrication of gearboxes (lubrication by oil bath, oil mist or oil circulation) and it is specifically suitable for heavy loads and high temperature.

PERFORMANCE LEVEL  
AGMA 9005-E02, AISE 224  
DAVID BROWN S1.53.101E  
DIN 51517 CLP

VISCOSITY at 100°C mm²/s	19.40
FLASH POINT	245 °C
POUR POINT	-21 °C
VISCOSITY INDEX	245

GEAR OM  
320

PERFORMANCE LEVEL  
AGMA 9005-E02, AISE 224  
DAVID BROWN S1.53.101E  
DIN 51517 CLP

VISCOSITY at 100°C mm²/s	24.2
FLASH POINT	255 °C
VISCOSITY INDEX	94

GEAR OM  
460

PERFORMANCE LEVEL  
AGMA 9005-E02, AISE 224  
DAVID BROWN S1.53.101E  
DIN 51517 CLP

VISCOSITY at 100°C mm²/s	27.60
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GEAR OM  
680

PERFORMANCE LEVEL  
AGMA 9005-E02, AISE 224  
DAVID BROWN S1.53.101E  
DIN 51517 CLP

VISCOSITY at 100°C mm²/s	36.00
FLASH POINT	262 °C
VISCOSITY INDEX	86

Heat transfer oil

THERMO HT  
32

This is a heat transfer oil based on a specifically refined mineral oil with exceptional oxidation stability and very high resistance to thermal decomposition. This oil is recommended for heat transfer systems in generators, equipped with an expansion vessel and a proper circulation speed, where the maximum oil temperature does not exceed 315°C. The maximum film temperature is 340°C.

PERFORMANCE LEVEL  
ISO 32

VISCOSITY at 100°C mm²/s	5.40
FLASH POINT	208 °C
VISCOSITY INDEX	113



Compressor oil

COMPROL P  
46

This high quality fully synthetic compressor oil is based on PAO base oils, with a natural high resistance against oxidation. Under addition of additives this oil meets the following properties: low oil consumption due to low volatility, low carbon-forming tendencies, very good oxidation stability, very good protection against corrosion, very good anti-wear properties, excellent thermal stability.

PERFORMANCE LEVEL  
ISO 6743-3A DAJ

VISCOSITY at 100°C mm²/s	7.98
FLASH POINT	262 °C
POUR POINT	-39 °C
VISCOSITY INDEX	144

COMPROL P  
68

PERFORMANCE LEVEL  
ISO 6743-3A DAJ

VISCOSITY at 100°C mm²/s	10.60
FLASH POINT	268 °C
POUR POINT	-48 °C
VISCOSITY INDEX	148

COMPROL EP  
68

This is a compressor oil made of highly refined base oils and additives to prevent oxidation, corrosion and foaming. It meets the strict requirements of the PNEUROP-oxidation test. This oil is particularly recommended for the lubrication of air compressors with high temperatures or when an oil according to the DIN classification VDL is required. It may also be used in vacuum pumps.

PERFORMANCE LEVEL  
DIN 51506 VDL,  
PNEUROP DIN 51.352

VISCOSITY at 100°C mm²/s	8.70
FLASH POINT	253 °C
POUR POINT	-33 °C
VISCOSITY INDEX	101

COMROL EP  
100

PERFORMANCE LEVEL  
DIN 51506 VDL,  
PNEUROP DIN 51.352

VISCOSITY at 100°C mm²/s	11.60
FLASH POINT	248 °C
POUR POINT	-30 °C
VISCOSITY INDEX	99

COMPROL EP  
150

This compressor oil is based upon top-grade selected solvent-refined base oils, with a natural high resistance against oxidation. This compressor oil is recommended for the crankcase and cylinder lubrication of reciprocating air compressors, but also for the lubrication of drip feed rotary sliding vane compressors. This compressor oil has low carbon-forming tendencies and minimises the formation of deposits in the discharge system at the temperature range where these compressors operate. Due to the high quality of this compressor oil, mostly the service interval can be extended.

PERFORMANCE LEVEL  
DIN 51506 VDL  
DIN 51352-2

VISCOSITY at 100°C mm²/s	14.60
FLASH POINT	258 °C
POUR POINT	-27 °C
VISCOSITY INDEX	96



COMPROL SCO  
46

This is a compressor oil made of highly refined base oils and additives to prevent oxidation, corrosion and foaming. It meets the strict requirements of the PNEUROP-oxidation test. This oil is particularly recommended for the lubrication of air compressors with high temperatures or when an oil according to the DIN classification VDL is required.

PERFORMANCE LEVEL

DIN 51506 VDL  
PNEUROP DIN 51.352

VISCOSITY at 100°C mm²/s	6.80
FLASH POINT	236 °C
VISCOSITY INDEX	103

Medical white oil  
FARMA FOOD  
15

This mineral white oil is based on specially selected saturated paraffinic and cyclo-paraffinic hydrocarbons. Due to a special method of refining this oil is acid-free, colourless and odourless. Because of their high purity and unique properties, white mineral oils find use in a wide variety of industries and applications including personal care products, cosmetics, pharmaceuticals, adhesives, food processing and plastics.

PERFORMANCE LEVEL

European Pharmacopoeia (EP) and German Pharmacopoeia (DAB10), USP and NF grades fulfilling FDA 21 CFR 172.878 and FDA 21 CFR 178.3620, All farma food grades are Kosher, Halal and Pareve certified

VISCOSITY at 100°C mm²/s	3.41
FLASH POINT	195 °C
POUR POINT	-21 °C
VISCOSITY INDEX	100

FARMA FOOD  
68

This oil is a universal machine tool lubricant, based on mineral oil, under addition of several additives to obtain the following properties: good resistant towards high pressures and high loads, a very strong adhesion to slides, superior "stick-slip" properties, very good anti- wear, anti-rust and anti-corrosion properties, excellent demulsification properties, good filterability

PERFORMANCE LEVEL

European Pharmacopoeia (EP) and German Pharmacopoeia (DAB10), USP and NF grades fulfilling FDA 21 CFR 172.878 and FDA 21 CFR 178.3620, All farma food grades are Kosher, Halal and Pareve certified

VISCOSITY at 100°C mm²/s	9.60
FLASH POINT	260 °C
POUR POINT	-14 °C
VISCOSITY INDEX	100

Slide way oil  
SL WAY OIL  
32

This oil is a universal machine tool lubricant, based on mineral oil, under addition of several additives to obtain the following properties: good resistant towards high pressures and high loads, a very strong adhesion to slides, superior "stick-slip" properties, very good anti- wear, anti-rust and anti-corrosion properties, excellent demulsification properties, good filterability

PERFORMANCE LEVEL

ISO 11158 HG, DIN 51524-2 HLP, FZG 12, DIN 51517-3 CLP AGMA 9005-E02

VISCOSITY at 100°C mm²/s	5.65
FLASH POINT	212 °C
POUR POINT	-25 °C
VISCOSITY INDEX	112

SL WAY OIL  
68

This oil is particularly used for the lubrication of machine tool slideways. By the use of special additives, the adhesive and lubricity properties are increased and shocks (so-called stick-slip) are avoided. This oil is specifically suitable for slideways of machine tools, chains, reductions, and general lubrication of machines when oil spattering has to be avoided.

PERFORMANCE LEVEL

AFNOR NF E 48-603 HM CINCINNATI MILACRON P-47 DIN 51502 CGLP/51524 Part 2

VISCOSITY at 100°C mm²/s	9.00
FLASH POINT	210 °C
VISCOSITY INDEX	104

SL WAY OIL  
220

This is a heat transfer oil based on a specifically refined mineral oil with exceptional oxidation stability and very high resistance to thermal decomposition. This oil is recommended for heat transfer systems in generators, equipped with an expansion vessel and a proper circulation speed, where the maximum oil temperature does not exceed 315°C. The maximum film temperature is 340°C.

PERFORMANCE LEVEL

AFNOR NF E 48-603 HM CINCINNATI MILACRON P-50 DIN 51502 CGLG/51524 Part 2

VISCOSITY at 100°C mm²/s	17.9
FLASH POINT	240 °C

Anti-asphalt adhesive  
BIO-TEC  
1200

This anti-asphalt release agent provides protection for tools and equipment which, for professional reasons, come into intensive contact with asphalt. The product can be used pure or diluted with water (70 - 80% of the total volume). A quick - brake emulsion will be obtained at the dilution. Application of the emulsion: spraying (low pressure), Do not leave a greasy and oily film after rinsing with water. Can be diluted with 70 - 80% water Keep frost-free

FLASH POINT	198 °C
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# Greases

- 71 LITHIUM BASED
- 72 LITHIUM COMPLEX BASED
- 72 LITHIUM CALCIUM BASED

## Available packaging /

12x400gr - 4x5kg -  
18kg - 50kg - 180kg



## Lithium based

### MULTI-TEMP EP 00

A premium quality semi-fluid grease designed for centralised lubrication systems. Suitable for anti-friction and plain bearings subjected to high load conditions. Can also be used for gearboxes designed to operate with a semi-fluid slumping grease.

PERFORMANCE LEVEL	
DIN 51 502, ISO 6743, KPOOK-30, L-XCCHB00	

NLGI	00
POUR POINT	> 160 °C
OPERATING TEMP. RANGE °C	-20 to +110 °C
THICKENER	Lithium soap

### MULTI-TEMP EP 0

A premium quality semi-fluid grease designed for centralised lubrication systems. Suitable for anti-friction and plain bearings subjected to high load conditions. Can also be used for gearboxes designed to operate with a semi-fluid slumping grease.

PERFORMANCE LEVEL	
DIN 51 502, ISO 6743 KPOK-30, L-XCCFB0	

NLGI	00
POUR POINT	185 °C
OPERATING TEMP. RANGE °C	-20 to +140 °C
THICKENER	Lithium soap

### MULTI-TEMP EP 000

A lithium grease with anti-wear, extreme pressure and anti-rust. They also have good insolubility in water, excellent adhesion and good stability at work. greases soft or fluid consistency according to the NLGI grades 1 - 000, have been developed to provide an optimal solution between the ease of distribution of oil and superiority of grease to lubricate the minimum cost.

NLGI	000
POUR POINT	185 °C
OPERATING TEMP. RANGE °C	-30 to +110 °C
THICKENER	Lithium soap

### MULTI-TEMP EP 3

A lithium grease with anti-wear, extreme pressure and anti-rust. It also has a good insolubility in water, excellent adhesion and good stability at work. Its high protection multi-character (extreme pressure triple share) under high loads simplifies and reliable lubrication.

NLGI	3
POUR POINT	185 °C
OPERATING TEMP. RANGE °C	-20 to +140 °C
THICKENER	Lithium soap

### MULTI-TEMP EP 2

An economical grease based on lithium soap. It is reusable and shows the following features: anti-rust, anti-wear and extreme pressure. It is a long-winded fat of high quality for by more applications in which a large adhering ability is desired.

NLGI	2
POUR POINT	190 °C
OPERATING TEMP. RANGE °C	-20 to +140 °C
THICKENER	Lithium soap





MULTI-TEMP  
EP 1

A premium quality multi-propose grease for use in all-friction and plain barings subjected to high load conditions. Used extensively for applications throughout industry and the automotive sector and centralised lubricationg systems where pumping over long distances is required.

NLGI	<b>1</b>
POUR POINT	<b>185 °C</b>
OPERATING TEMP. RANGE °C	<b>-20 to +140</b>
THICKENER	<b>Lithium soap</b>

MOLY-TEMP  
EP 2

A tenacious grease designed for heavy duty applications where adhesion, shock loading and good corrosion protection is needed. It has been proven ideal for use on bucket pins and bushes of heavy earth moving equipment, crane slews, and also as an assembly and running in compound. The presence of graphite will fill surfaces and distribute load evenly preventing further wear and is therefore particularly suitable to extend the life worn components

NLGI	<b>2</b>
POUR POINT	<b>185 °C</b>
OPERATING TEMP. RANGE °C	<b>-20 to +140</b>
THICKENER	<b>Lithium soap</b>



MULTI GRIP  
ET 500

A premium quality semi-fluid grease designed for centralised lubrication systems. Suitable for anti-friction and plain bearings subjected to high load conditions. can also be used for gearboxes designed to operate with a semi-fluid slumping grease. Can be applied manually, or via a centralised lubricating system capable of pumping an NLGI No. 0 grease; consult a qualified centralised lubrication systems engineer before installation.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

NLGI	<b>0</b>
POUR POINT	<b>&gt;260 °C</b>

*Lithium complex based*

MULTI-PLEX  
EP 2

A specially developed multi-purpose lithium complex grease for lubricating all anti-friction and plain bearings for use in industrial and automotive applications. The grease has shown exceptional performance providing extended lubrication intervals over wide operating temperature range

NLGI	<b>2</b>
POUR POINT	<b>250 °C</b>
OPERATING TEMP. RANGE °C	<b>-20 to +150</b>
THICKENER	<b>Lithium complex</b>

*Lithium calcium based*

MULTI CAL  
EP 2

A premium quality multi-purpose highly adhesive grease based on lithium-calcium soap. It is shows the following features: anti-rust, anti-wear and extreme pressure. It is used extensively for applications throughout industry. is recommended for the lubrication of both plain and rolling bearings operating at low speeds and high loads and special bearings and lubrication points subject to shock loads.

<b>PERFORMANCE LEVEL</b> DIN 51825 KP2, P-30	
NLGI	<b>2</b>
BASE OIL VICOSITY AT 40 °C	<b>220 mm/s</b>
DROP POINT (MIN) °C	<b>185 °C</b>

LITOPLEX  
HD 2

A lithium-calcium grease based on mineral oils. The product contains anti-wear additives, anti-oxidants and corrosion inhibitors. It also contains a small amount of polymer to enhance adhesion.

NLGI	<b>grade 2</b>
BASE OIL VICOSITY AT 40 °C	<b>945 mm/s</b>
DROP POINT (MIN) °C	<b>180 °C</b>
OPERATING TEMP. RANGE °C	<b>-20 to 130</b>

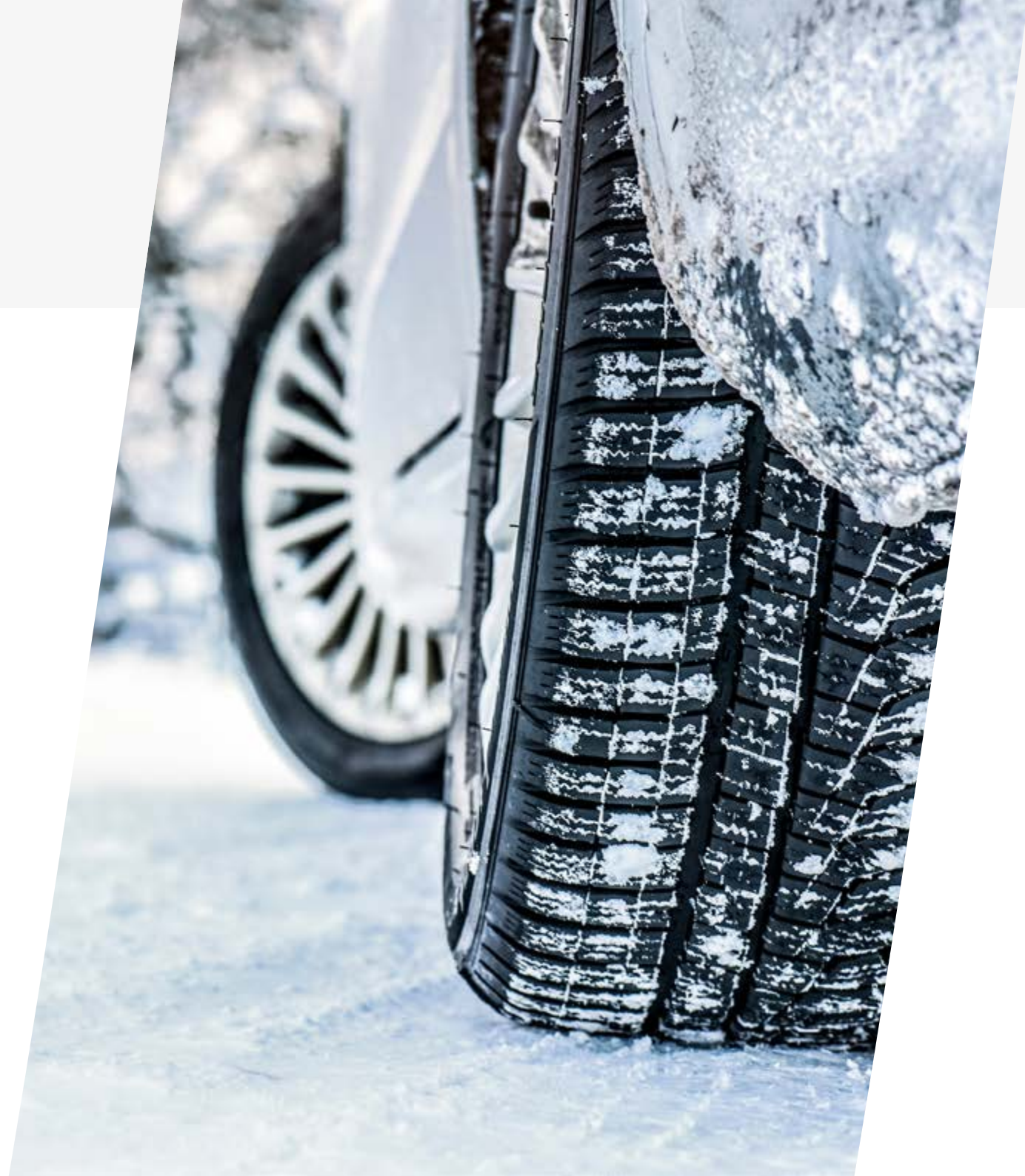




# Winter products

7E ANTIFREEZE  
7E COOLANT

Available packaging /  
12X1L - 4X4L - 3X5L - 20L -  
60L - 210L - IBC



## Antifreeze

ANTI-FREEZE  
**G11**

An undiluted on ethylene glycol based engine coolant concentrate formulated for use in engines. It employs established inhibitor Inorganic Additive Technology (IAT) and is nitrite, amine and phosphate (NAP) free and includes borate and silicate. The sophisticated silicate stabilisation technology eliminates the potential formation of silicate gel which is often observed with inferior products. Good compatibility with hard water and prevents the formation of scale. It offers total and permanent protection of the cooling system. By the Inorganic Additive Technology (IAT) it offers total and permanent protection of the cooling system and a life span of 3 - 4 years or 60000 km to 85000 km for passenger cars and professional applications.

### PERFORMANCE LEVEL

AFNOR NF R 15-601, ASTM D3306/D4985, BS 6580, MAN 324 NF, MB 325.0, MTU MTL 5048, POLISH STANDARD PN-C-40007, SAE J1034 VW TL 774-C

DENSITY AT 20°C	1.111
COLOR	BLUE

ALU-FREEZE  
**G12+**

LONG LIFE

A "longlife" OAT (Organic Additives Technology) anti-freeze based on monoethyleneglycol and selected additives. May be used all the year round in cooling systems of gasoline and diesel engines. This anti-freeze should be diluted with demineralized water before use, in accordance with the ratio in the owner's manual or given below.

Volume Alu-Freeze G12+	33%	40%	50%
Freezing point °C	-20°C	-27°C	-40°C

### PERFORMANCE LEVEL

ASTMD D3306/4985, SAE J 1034, BS 6580 (2010) AFNOR NF R15-601, FFV HEFT R 443, CUNA NC 956-16, UNE 26361-88, JIS K 2234, NATO S 759, CHRYSLER MS 9176, CUMMINS CES 14603, FORD ESE M97B49-A WSS-M97B44-D, ESD M97 B49-A, GM1899 M US 6277 M OPEL, GM QL130100, JOHN DEERE H 24 B1 & C1, LEYLAND TRUCKS LTS 22 AF10, MACK 014GS 17004, MAN 248 324 (SNF) & B&W D 36 5600, MERCEDES MB 325.3, RENAULT 41-01-001-D, VAG TL 774 D/F, VOLVO VCS

DENSITY AT 15°C	1.124
COLOR	PINK

ALU-FREEZE  
**G40**

LONG LIFE

NEW

Alu-Freeze G40 is an engine coolant concentrate (antifreeze) based on monoethylene glycol. This product employs the latest antifreeze technology which combines the benefits of both organic technology & traditional mineral (silicate) technology. It is suitable for use in both petrol and diesel engines and has been introduced to meet the demands of OEMs who favour this combination of organic & silicate technology.

Volume Alu-Freeze G40 (vol%)	H2O (vol%)	Freeze Protection °C
33	67	-20
50	50	-40
67	33	-70

### PERFORMANCE LEVEL

ASTM D3306, JIS K2234:2018, FVV R 530:2005, BS 6580:2010, GB 29743.1 (PC) 2014, 2022, AFNOR NF-R-15-601, BMW LC 87, LC 97, LC 18, ALFA ROMEO, FIAT, LANCIA 9.55523 CHRYSLER MS 7170 OPEL / VAUXHALL GME L1301 VW G12 EVO (TL 774-L) MAN 324NF, MAN 324 SI-OAT MWM 0199-99-2091/12 IVECO STANDARD 18-1830 CUMMINS 85T8-2 DTFR 29C120 (FORMER MB325.5) DEUTZ DQC CA-14 FORD ESD-M97B49-A VOLVO CARS 128 6083 / 002 & TR-31854114-002 JI CASE JIC-501 MTU / ROLL ROYCE MTL 5048 TOYOTA 1WW/2WW ENGINES

DENSITY AT 20°C	1.119
COLOR	PINK







Coolant

COOLANT  
G11

An automotive coolant based on monoethyleneglycol and demineralized water (50%) with addition of additives. This coolant may be used all the year round in the cooling systems of gasoline and diesel engines. The coolant is ready for use. Do not add water and protects against freezing down to -26 °C.

PERFORMANCE LEVEL	
BS 6580:2010	

DENSITY AT 15°C	1.066
COLOR	BLUE

COOLANT  
G12+

LONG LIFE

A "long life" OAT (Organic Additives Technology) automotive coolant based on monoethyleneglycol and demineralized water (50%) with addition of additives. This coolant may be used all the year round in the cooling systems of gasoline and diesel engines. This coolant is ready for use and protects against freezing down to -35 °C.

PERFORMANCE LEVEL	
Ford WSS-M97B44-D, Volkswagen VW TL 774-F ("G12 Plus"), MB 326.3, MAN 324 Typ SNF, Detroit Diesel, DAF 74002, GM 6277M, Leyland Trucks LTS 22 AF 10, Renault 41-01-001/-S Type D, Scania TB 1451, Cummins 85T8-2, Chrysler MS 9176, Volvo VCS, Mack 014GS 17004, John Deere H 24 B1 & C1	

DENSITY AT 15°C	1.074
COLOR	PINK

ALUCOOL  
G40

NEW

LONG LIFE

Alucool G40 is an engine coolant based on ethylene glycol and water. This product employs the latest antifreeze technology which combines the benefits of both organic technology & traditional mineral (silicate) technology. Alucool G40 is suitable for use in both petrol and diesel engines and has been introduced to meet the demands of OEMs who favour this combination of organic & silicate technology. Ardeca Alucool G40 is suitable for use in both petrol and diesel engines and has been introduced to meet the demands of OEMs who favour this combination of organic & silicate technology. Alucool G40 is a 50/50 mixture of Ardeca Alu-freeze and demineralized water. Ardeca Alucool G40 is READY FOR USE. Further dilution with water is not recommended.

PERFORMANCE LEVEL	
ASTM D3306, JIS K2234:2018, FVV R 530:2005, BS 6580:2010, GB 29743.1 (PC) 2014, 2022, AFNOR NF-R-15-601, BMW LC 87, LC 97, LC 18, ALFA ROMEO, FIAT, LANCIA 9.55523 CHRYSLER MS 7170 OPEL / VAUXHALL GME L1301 VW G12 EVO (TL 774-L) MAN 324NF, MAN 324 SI-OAT MWM 0199-99-2091/12 IVECO STANDARD 18-1830 CUMMINS 85T8-2 DTFR 29C120 (FORMER MB325.5) DEUTZ DQC CA-14 FORD ESD-M97B49-A VOLVO CARS 128 6083 / 002 & TR-31854114-002 JI CASE JIC-501 MTU / ROLL ROYCE MTL 5048 TOYOTA 1WW/2WW ENGINES	

DENSITY AT 20°C	1.072
COLOR	PINK





# Specialties

- 79 ADDITIVES
- 80 AEROSOLS
- 82 CAR CARE
- 84 BRAKE FLUID
- 85 GLASS CLEAN
- 85 POWER STEERING FLUID
- 86 AIROPACK



## Additives

C-TEC  
1000

A unique new generation multifunctional ceramic ester engine oil additive with a superior performance under the most extreme conditions. The synergy of micro ceramic particles with high esters and PAO's create a high degree of bonding to metal which results in a solid and unequalled lubricating film on the most critical and wear-sensitive parts of the engine. This results in high performance lubrication, ensures a rapid heat transfer and prevents metal to metal contact. For all gasoline, diesel and LPG engines with or without turbochargers. Can be mixed with all commercially available engine oils. Does not clog filters and is not harmful for catalytic converters. Not suitable for motor cycles using a wet clutch. One bottle treats 4 to 6 litres of motor oil. Recommended use: every 50.000 km.

### HOW TO USE

TO BE ADDED AT EACH OIL CHANGE, 1 CAN (300ML) IS SUITABLE FOR USE WITH 3 TO 6 LITERS OF OIL

DPF  
500

An organo-metallic diesel fuel additive to be used as a catalyst for the regeneration of diesel particulate filters. DPF 500 lowers the ignition temperature of soot collected in the diesel particulate filter and optimizes periodic combustion of accumulated soot, a process known as filter regeneration. The unique combination of a clean fuel system, clean combustion with lower emissions and catalysed soot particles will assist in keeping the catalytic converter, exhaust gas recirculation system (EGR) as well as the turbo compressor and its variable geometry vanes clean from deposits. For all diesel engines (incl. common rail and turbo charged engines) with standard or retrofitted diesel particulate filter. Pour the contents of one bottle in the fuel tank before filling it with diesel fuel. One bottle treats 40 to 60 litres of diesel fuel.

### HOW TO USE

500 ML - 1 DOSAGE FOR 1 TREATMENT

DXF  
500

A special multifunctional product that cleans directly and lubricates the fuel injection system-HP PUMP & Nozzles. It contains a 'friction modifier' in order to assure a good lubrication of the system. The Diesel Flush was conceived to be used in the most advanced systems: direct injections, unit pumps and common rail system.

### HOW TO USE

1 DOSE (500ML) TO BE CONSUMED FOR ONE TREATMENT, BY DIRECT SUPPLY, WITHOUT MIXING WITH FUEL IN THE TANK. DISCONNECT FUEL SUPPLY AND RETURN FROM PUMP. RUN THE ENGINE ON ARDECA DXF-500 AT DIFFERENT REVS.

EXF  
010

The perfect solution to clean the engine inside. Highly effective cleaning additive loosens sludge and enamel-type dirt, surrounds the solid particles and liquid contaminations. They are drained off together with the old oil during an oil change. Following such a prepared oil change, the new oil can develop its full performance.

### HOW TO USE

CAN CONTENTS ARE SUFFICIENT FOR UP TO 5L MOTOR OIL







PXC  
300

Suitable for all gasoline engines - especially for new vehicles for preventative use. Tested safe wiht catalytic converters and turbochargers. For adding directly to the fuel tank. Can contents are sufficient for up to 75l fuel. Effect lasts up to 2000 km. Maintains and protects the entire fuel system from wear, deposits and corrosion. Improves engine running and prevents performance decrease. clean engines need less fuel an reduce emission. It cleans the fuel system in all places where the fuel is liquid, e.g. up to and including the injectors.

HOW TO USE

COMPATIBLE WIHT ALL TYPES OF PETROL, UP TO E10. ARDECA PXC 300 MUST BE USED REGULARY AT SERVICE INTERVALS, AND WHEN SYMPROMS INDICATE THAT TREATMENT IS REQUIRED.

RXF  
300

Developed to effectively clean the entire cooling system and to improve the heat transfer from engine to cooling system. Suitable for all aluminium, plastic and steel radiators of cooling systems in petrol, diesel and LPG engines. Compatible with water, cooling fluids and conventional anti freeze. Add contents of one bottle to the radiator, drive for about 30 minutes and drain cooling system. Flush with water and refill cooling system. One bottle is sufficient for a volume of up to 12 litres.

HOW TO USE

1 DOSAGE FOR 1 TIME USE IN THE SYSTEM UP TO 15L CAPACITY



SAFETY FUEL SF  
5000 PETROL

ECO FRIENDLY

This unique fuel additive is not petrol based (contains no hydrocarbons) and is up to 95% biodegradable. Eliminates water and moisture in fuel and fuel tanks. Has a strong biocide/ fungicide action to kill present bacteria's and algae's. Also prevents the development of algae's- and bacteria. Strong antioxidant action. Contains a special lubricant to provide supplementary lubrication to the upper engines parts, valves, pistons, injection-pump and injectors.Cleans the injection system (injectors and valves), combustion chamber, spark-plugs, exhaust system. Improves atomization and clean combustion of the fuel. Facilitates cold start. Improves octane levels and reduces consumption. Maintains octane levels during storage.

HOW TO USE

50ML FOR 50L OF FUEL, ADD SF 5000 PETROL IN THE TANK BEFORE REFILLING WITH FUEL.

DENSITY AT 20°C	0.900-0.915 kg/l
VISCOSITY 40°C	2.4-2.6
FLASH POINT COC	65 °C
POUR POINT	-30 °C

SAFETY FUEL SF  
5100 DIESEL

ECO FRIENDLY

This additive is not petrol-based and is for 95% biodegradable, which makes it a unique and effective product on the market. Eliminates water and moisture in fuel and fuel tanks. Has a strong biocide/fungicide action to kill present bacteria's and algae's. Also prevents the development of algae's- and bacteria's. Strong antioxidant action. Preserve the fuel quality during storage, this way fuel quality can be guaranteed up to 24 months. Contains special lubricants to provide supplementary lubrication to the upper engines parts ; valves, injection-pump and injectors. Cleans the injection system (injectors and valves), EGR valve, particle filter and exhaust system. Improves performance and reduces consumption. Additionally lowers the pour point of fuel with up-to 7 °C.

HOW TO USE

50ML FOR 50L OF FUEL. ADD SF 5100 DIESEL IN THE TANK BEFORE REFILLING WITH FUEL.

DENSITY AT 20°C	0.900-0.915 kg/l
VISCOSITY 40°C	2.4-2.6
FLASH POINT COC	65 °C
POUR POINT	-30 °C

Aerosols

ACTIVE FOAM

Multi purpose foam cleaner with a wide spectrum of applications. Universal use for soft and hard surfaces. Can be used for cleaning cars, inside and outside. Leaves a fresh smell, silicone free, smear and residue free finish, safe on most surfaces. Use on room temperature, Shake before use, Spray onto the surface/object to be cleaned, In certain cases the product needs time to soak, Wipe off with a clean cloth/ Rub dry with a clean cloth.

PACKAGING 12X500 ML

BRAKE & PARTS  
CLEANER

Efficient cleaner for removing grease, oil, dirt and brake dust from brake and clutch parts. To be used on brake discs, drums, pads, cylinders and calipers. Use on room temperature, Spray onto the surface/object to be cleaned, In certain case the product needs time to soak, If necessary, wipe off with a clean cloth, Leave to evaporate/dry.

PACKAGING 12X500 ML



MULTI GRIP  
NSF

Multi Grip is a low viscosity penetrating oil. This product van release rusted mechanisms as threadings,hinges etc. It protects against corrosion and the treated pieces remains lubricated.

PACKAGING 12X500 ML

MULTI SUPER  
5.1 NSF

NSH H1

PTFE lubricant food grade is a high quality, dual action penetrating and lubricating oil with PTFE, to solve general light mechanics and kitchen lubrication requirements. Shake can well before use, Substrate should be clean and dry, Keep spray distance at 20-30 cm, Do not apply product to equipment while food is being processed or transported.

PERFORMANCE LEVEL  
NSF H1

PACKAGING 12X500 ML

STARCUT

Cutting Oil for metal drills, cutting knives and metal tapping. Suitable for most metals, such as aluminium, brass and stainless steel. Increases lifetime of metal drills and cutting knives, Reduces wear and friction, excellent extreme pressure and anti wear properties. Protect against oxidation and corrosion, Use on room temperature, Shake before use. Before drilling, apply cutting oil to the drill bit and part being drilled, Repeat if necessary

PACKAGING 12X500 ML

XP CHAIN OIL SPRAY

Strong adhesive lubricant. Lubrication of moving machine parts, worm screws, chains, cables etc. Gives a lubricating film resistant to strong centrifugal forces on high speed mechanisms. Developed to be used on fast rotating chains, moving parts subjected to high pressures, impacts and vibrations.

PACKAGING 12X500 ML







Car care

CLEAN WIPES

Use: disinfecting and cleaning dirty surfaces. Removes silicone, grease, oil and adhesives

PACKAGING 12PCS/  
CARTON



ENGINE CLEANER

Use: external cleaning of the engine and the engine compartment. The active ingredients are dissolved quickly even the most dense deposits of oil, grease, antifreeze, fuel and other fluids. Store at a temperature tange between +5 °C to +35°C in closed original packaging.

DENSITY AT 20°C	1.04-1.06
FLASH POINT	>100 °C
PH-50% IN ETHANOL SOLUTION	13
COLOR	CLEAR
PACKAGING	12X750 ML

GLASS CLEANER

Use: cleaning the interior and exterior glass surfaces of the vehicle. High cleaning power. Does not leave streaks. It is water-repellent and has anti-misting effect. Glass cleaner is ment for cleaning the interior and exterior glass surfaces of the vehicle. Store in tightly closed container. Store in a dry, cool and well-ventilated place. Keep at temperature between +5 °C and +35 °C. Store in the original packaging.

DENSITY AT 20°C	0.95-0.11
FLASH POINT	>100 °C
PH-50% IN ETHANOL SOLUTION	10-10.50
COLOR	BLUE
PACKAGING	12X1L

GLASS DE-ICER

Use: quick and safe removal of snow and ice from the windows,mirrors and headlights of your vehicle. Prevents re-icing. Safe for paint, rubber and plastic body parts. Does not leave streaks.Note: at temperatures below -30°C and severe icing, it is recommended to treat the surface twice.

DENSITY AT 20°C	0.8-0.9
FLASH POINT	>28 °C
PH-50% IN ETHANOL SOLUTION	6-8
COLOR	TRANS-PARANT
PACKAGING	12X750ML

INSECT CLEANER

Use: contactless removing traces of insects, bird droppings,pollen from all surfaces of cars and trucks. This spray has a high cleaning capability. Cleaning spray for contactless removing traces of insects,bird droppings,pollen from all surfaces of cars and trucks. Store in tightly closed container. Store in a dry, cool and well-ventilated place. Keep at temperature between +5 °C and +35°C and store in the original packaging.

DENSITY AT 20°C	0.95-1
FLASH POINT	>100 °C
PH-50% IN ETHANOL SOLUTION	11-11.49
COLOR	TRANS-PARANT
PACKAGING	12X750ML

PLASTIC CLEANER

Efficiently cleans, renews and protects all plastic parts. Quick cleaning effect. Safe for all surfaces Spray the product from a distance of 15-20cm. After 30-40sec wipe with a clean, dry cloth.

DENSITY AT 20°C	1.0
FLASH POINT	>100 °C
PH-50% IN ETHANOL SOLUTION	11
COLOR	TRANS-PARANT
PACKAGING	12X750ML

TEXTILE CLEANER

Use: deep cleaning of all kinds of fabric. It penetrates deep into the structure of fabric and actively cleans it. Easily removes spilled drinks and food stains. It helps to restore the original appearance and color of the product. It has a pleasant smell. Does not leave streaks. The product is used for deep cleaning of all kinds of fabric. Store in tightly closed container. Store in a dry, cool and conditions well- ventilated place. Keep away from food and drink. Keep at temperature between +5°C and +35°C store in the original packaging.

DENSITY AT 20°C	0.90-1.01
FLASH POINT	>100 °C
PH-50% IN ETHANOL SOLUTION	12.3
COLOR	TRANS-PARANT
PACKAGING	12X750ML

WHEEL CLEANER ACID

Use: external cleaning of wheels from dirt of any type. Active components easily and effectively remove spots of oil, Grease and brake dust mixed with mud. The product prevents the accumulation of dirt.This cleaner is safe for tires. It is ready to use and it doesn't require dilution. For external cleaning of wheels from dirt of any type. Store in tightly closed container. Store in a dry,cool and well-ventilated place. Keep away from food and drink. Keep at temperature beetween +5°C and +35°C. Store in the original packaging.

DENSITY AT 20°C	1.0-1.1
FLASH POINT	>100 °C
PH-50% IN ETHANOL SOLUTION	11-13
COLOR	TRANS-PARANT
PACKAGING	12X750ML

WHEEL CLEANER ALKALINE

Use: external cleaning of wheels from dirt of any type. The active components easily and effectively remove spots of oil, grease and brake dust mixed with mud. The product prevents the accumulation of dirt. This cleaner is safe for tires. Its is ready to use and it doesn' t require dilution. For external cleaning of wheels from dirt of any type. Store in tightly closed container. Store in a dry, cool and well-ventilated place. Keep away from food and drinks. Keep at temperature between +5°C and +35°C. Store in the original packaging.

DENSITY AT 20°C	0.95-1.0
PH-50% IN ETHANOL SOLUTION	11-12
COLOR	TRANS-PARANT
PACKAGING	12X750ML





Brake fluid

BRAKE FLUID  
DOT 4

Brake fluid, intended for hydraulic brake systems. Its composition provides a high chemical stability, excellent resistance against residue formation, very good stability towards oxidation and is compatible with all materials present in the circuit. It is suitable for all hydraulic brake circuits where the manufacturer recommends a fluid, which meets the specifications mentioned below. It is also suitable for numerous steering and clutch systems and can be used from -40°C till 260°C.

PERFORMANCE LEVEL

FMVSS: 116 DOT 4/116 DOT3  
ISO 4925 Class 3&4  
SAE J 1703/J 1704

VISCOSITY 100°C	2.3
BOILING POINT	263 °C
PH-50% IN ETHANOL SOLUTION	8.6

BRAKE FLUID  
DOT 4 LV

Recommended for ABS and ASR brake systems. Especially the low viscosity, compared to the original DOT 4 brake fluids, stands out very well in these systems. can be mixed with other synthetic brake fluids meeting FMVSS 116 DOT 3, DOT 4 and DOT 5.1 specifications and can be applied in systems prescribing these specifications. will not affect cup seals, brake fluid pipes or seal rings.

PERFORMANCE LEVEL

SAE J 1703, ISO 4925 class 6  
FMVSS-116 DOT 3, DOT 4  
VW 501.14

VISCOSITY 100°C	2.59
BOILING POINT	265 °C
PH-50% IN ETHANOL SOLUTION	7.15

BRAKE FLUID  
DOT 5.1

DOUBLE  
ESTER

Synthetic brake fluid, intended for hydraulic brake systems, where a superior quality is required. Its composition provides a high chemical stability, excellent resistance against residues, high resistance against oxidation and can be used with all materials, normally used in brake systems. It is used in all hydraulic brake systems (including ABS), for which manufacturers require a fluid, meeting the characteristics mentioned hereunder. Also suited as power steering and torque convertor fluid. Application field: from -40°C till 270°C.

PERFORMANCE LEVEL

FMVSS 116 DOT 4/116 DOT 5.1/116 DOT3, ISO 4925 Class 3&4/4925 Class 5.1, SAE J 1703/SAE J 1704

VISCOSITY 100°C	2.16
BOILING POINT	263 °C
PH-50% IN ETHANOL SOLUTION	7.49

BRAKE FLUID  
SPORT DOT 4

Use: all types of hydraulic brake and clutch actuators requiring non-silicone synthetic fluid. Specially designed to resist to extreme temperature generated by racing carbon and ceramic brakes allowing to minimize air entrance for brake cooling. Can also be used with conventional steel rotors and clutch systems. Widely exceeds DOT3, DOT4 and DOT5.1 standards (except for DOT 5.1 viscosity at -40°C).

PERFORMANCE LEVEL

US FMVSS 116 DOT 4, SAE J1703 & J1704, ISO 492



Glass clean

GLASS CLEAN  
READY -22°C

Ready to use, ethanol based windscreen washer with a frost protection down to -22°C. Suitable for all vehicle types. The product is ready-to-use, it no longer needs to be mixed with water. Antifreeze : prevents the nozzles, windcreens and headlights from freezing (down to -22°C)

DENSITY AT 20°C	0.963
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Power steering fluid

CHF  
FLUID

Full synthetic lubricant based on carefully selected very high quality base oils. It is a hydraulic "multipurpose" fluid specifically designed for the use in all circuits and in a temperature range between -40°C and 130°C.This fluid has a very high viscosity index, an exceptional oxidation stability, anti-foam and anti-rust properties. It has a unique friction reducing additive for reduction of wear and noise production of the hydraulic pump. This multipurpose fluid is to be used in the following applications : hydraulic suspensions, shock absorbers, hydrostatic controls, centralized hydraulic circuits, power steerings and level controls. It is also suitable for suspension and steering wheel systems of MAN trucks.

PERFORMANCE LEVEL

CHRYSLER MS 5931, FORD WSS-M2C204-A, GM 9985835, MAN M3289, MB 345.0, OPEL GM 1940766 PSA S712710 SAAB 9-3 power steering/9-5 power steering, VOLVO 1161529-1, VW TL 521.46, ZF TE-ML 02K/TE-ML 09B

VISCOSITY at 100°C mm²/s	6.3
FLASH POINT	156°C
VISCOSITY INDEX	322

LDS  
FLUID

Full synthetic lubricant based on carefully selected very high quality base oils. It is a high performance hydraulic fluid for application in modern vehicle aggregates, among others, Citroën. It is suitable for all extreme ambient temperatures and guarantees full performance from -40 °C to over 130 °C system temperature. Not compatible with mineral (green coloured) fluids! This fluid is specifically designed for hydraulic systems of, among others, recent Citroën cars with Hydractive 3 suspension system. Due to its excellent features it is used in devices like power steering, level control, shock absorber, hydro-pneumatic suspension and stability and traction control.Do not use when a mineral fluid (green in colour-LHM Plus) is recommended.

PERFORMANCE LEVEL

DIN 51524 T3, ISO 7308  
PSA S71 2710

VISCOSITY at 100°C mm²/s	6.0
FLASH POINT	156°C
VISCOSITY INDEX	303

LHM +  
FLUID

Mineral hydraulic fluid, specifically designed to be used in the hydraulic suspension circuits, brake circuits and power steering of Peugeot and Citroën vehicles. This low viscosity fluid, with a very high viscosity index, shows the following qualities :allows a quick start and a use until -40°C, very low pour point, remarkable resistance against oxidation, increased boiling temperature and insensible for humidity. Not aggressive towards usual elastomers. Anti-corrosive and anti-wear. This fluid is used in : hydraulic suspension circuits, brake circuits and power steering of Peugeot and Citroën vehicles (only to be used with green-painted parts). Immiscible and incompatible with synthetic fluids of the Lockheed DOT-type. Also used for hydraulic industrial circuits, where anti-wear properties are unnecessary, especially in the temperature range of -40°C till 50°C.

PERFORMANCE LEVEL

AFNOR NF E 48-602 HV/NF E 48-603 HV, PSA B71 2710

VISCOSITY at 100°C mm²/s	6.3
FLASH POINT	193°C
VISCOSITY INDEX	356





Airopack

CERAMIC PASTE  
FOOD GRADE  
AIROPACK

NEW

ECO FRIENDLY NSF H1

Assembly paste with excellent lubricating properties, enriched with ceramic particles. Applicable and approved for the food industry. This assembly paste contains water-repellent properties, protects against corrosion, has excellent adhesion, prevents seizure during (pre) assembly and lubricates extremely well and long-lasting. Keeps, thanks to the carefully developed composition, threaded connections in motion, even after prolonged exposure to heat and atmospheric influences. Developed for the treatment of stainless steel or brass fittings. Excellent, long-term lubricating and water-repellent properties; Protects against corrosion and adheres well; Contains no metals.



PERFORMANCE LEVEL	
NLGI 2 NSF H1	
DENSITY AT 20°C	1.1
COLOR	White
NLGI CLASSIFICATION	2
OPERATIONAL TEMPERATURE RANGE	as a paste -20° C to + 150° C

COPPER PASTE

AIROPACK

NEW

AIR POWERED

Copper assembling paste with extraordinary lubricating properties. The product prevents fretting during assembling and provides for a loose screw-connection, also after a long-term influence of heat and atmospheric effect. Moreover the product contains water repellent components and protects against corrosion. The adhesion is excellent. In the formulation are no metals like aluminium, nickel, molybdenum, lead, zinc, chromium etc. Contains, besides copper, no metals; Contains water-displacing and anti-corrosive properties; Has excellent adhesion; Lubricates extremely well and for a long time.




PERFORMANCE LEVEL	
NLGI 2	
DENSITY AT 20°C	1.1
COLOR	Copper
NLGI CLASSIFICATION	2
OPERATIONAL TEMPERATURE RANGE	as a paste -20°C to +150°C


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