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# ENGINE LUBRICANTS FOR HEAVY DIESEL VEHICLES



***LIQUID TECHNOLOGY***

HEAVY DIESELS FOR TRANSPORT, BUSES, AGRICULTURAL MACHINES AND PUBLIC WORKS

	30	40	50
5W	Pallas 725 Pallas 900 Pallas 2000 LCM 850 Pallas 2000 X-TRA	LCM 850	
10W	Pallas 900 Pallas 725 Agrialle	Pallas 725 Pallas 800 Pallas 900 LCM 825 LCM 800 Super Roc 3D Medos 700 Xanthos Pallas 900 X-TRA	
15W	Agrialle	Pallas 725 Medos 650 Medos 700 Agrialle Intercooler 400	GI- V TR



Product	Visc.	Specifications	Description
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Pallas 725

5W30

ACEA E7-04-Issue-2-(2007)/E9-08 • API CJ-4/CI-4PLUS/CI4/CH4/SM/SN • CAT ECF 1a/2/3 • CUMMINS CES 20078/20081 • Detroit Diesel DDC 93K218 • Deutz DQC III-10 • Mack EO-O Premium Plus • MAN 3575 • MB 228.31 • MTU Type 2.1 • RVI RXD • Renault Truck RLD-3 • Volvo VDS 3/4

PALLAS 725 is an all-round high grade LOW SAPS engine oil for heavy diesel engines. It is the ideal lubricant for standard use on trucks, tractors and rolling stock in agriculture and public works. Pallas 725 is available in a wide range of viscosities and designed to meet the stringent emission requirements of Euro 5 and even Euro 6 (for 10W40).

10W30 ACEA E9-12 • API CJ-4/SN • CAT ECF 3 • Cummins CES 20081 • Deutz DQC III-10 LA • JASO DH-2 • Mack EO-O Premium Plus • MAN 3575 • MB 228.31 • MTU Type 2.1 • Renault Truck RLD-3 • Volvo VDS 4

10W40 ACEA E9-08 issue 2 • API CJ-4/SN • CAT ECF 1a/2/3 • CUMMINS CES 20078/20081 • Deutz DQC III-10 LA • Mack EO-O Premium Plus • MAN 3575 • MB-Approval 228.31 • MTU Type 2.1 • RVI RXD • Renault Truck RLD-3 • SCANIA Low Ash • Volvo VDS 3/4

15W40 ACEA E9-12 • API CJ-4/SN • CAT ECF 1a/2/3 • CUMMINS CES 20078/20081 • Detroit Diesel DDC 93K218 • Deutz DQC III-10 LA • Mack EO-O Premium Plus • MAN 3575 • MB-Approval 228.31 • MTU Type 2.1 • RVI RXD • Renault Truck RLD-3 • Volvo VDS 3/4



Pallas 900

10W40  
10W30  
5W30

ACEA E4-99 issue 3 • ACEA E6/E7-08 • ACEA E9-08 issue 2 • API CJ-4 • DAF HP-2 • DEUTZ DQC 10 LA • JASO DH-2 • MACK EO-N • MAN 3271.1/3277/3477 • MTU TYPE 3.1 • MB 228.51 • RGD • Renault RLD-2 • Volvo VDS 3 • SCANIA Low Ash

PALLAS 900 is a 100% synthetic UHPD (Ultra High Performance Diesel) "LOW SAPS" engine oil. This oil is developed for the lubrication of heavy applications, both for the transport sector and in public works. It is ideally suited for low emission 4-stroke diesel engines, including those equipped with a diesel particulate filter (DPF) and with SCR technology (AdBlue). Pallas 900 is available for EURO 3 up to and including EURO 6 diesel engines. Drain intervals up to 120,000 km are possible (subject to oil lab analysis).



Pallas 2000

5W30

ACEA E6/E7-08 • ACEA E9-08 issue 2 • API CJ-4 • Daimler 235.28 • DEUTZ DQC IV-10 LA • JASO DH-2 • MACK EO-M+ • Mack EO-O Premium Plus • Mack EO-N Premium Plus • MAN 3477/3677 • MB 228.31/228.51 • MTU TYPE 3.1 • SCANIA Low Ash • Renault RLD-3 • RVI RXD • Volvo VDS 4 • Voith retarder oil Class B

Pallas 2000 5W30 is developed to meet the most stringent requirements of the latest 4-stroke engines (for heavy transport), in particular in terms of emissions, fuel economy and extended drain intervals. Under conditions of heavy use and regular oil analysis oil, PALLAS 2000 can be used for drain intervals up to 150,000 km (depending on the requirements of the manufacturer). PALLAS 2000 is suitable for engines with DPF (diesel particulate filter) where a high level 5W30 engine oil is recommended for low-emission engines that meet Euro V and Euro VI standards. PALLAS 2000 5W30 provides significant fuel savings (approximately 1 liter per 100 km) compared to an SAE 15W40 oil.

Product	Visc.	Specifications	Description
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GI-V TR

15W50

ACEA E2/A2/B2 • API CE/CF4/SG • Volvo VDS • MB 228.1 • MAN 271

GI-V TR has been developed to answer the needs of diesel engines, turbo charged or not, for trucks, tractors and civil engineering equipments. GI-V TR can also be used in mixed transport fleets, that is to say for petrol and diesel vehicles, within the limits of the manufacturers' requirements. Contains the groundbreaking additives Molybdenum and Bismuth.



LCM 800

10W40

ACEA E4-12/E7-12 • API SL/CI4 • CAT ECF 1-a • CAT ECF-2 • CUMMINS CES 20076/20077/20078 • DEUTZ DQC IV-10 • DAF HP-2 • GLOBAL DHD-1 • IVECO • MACK EO-N • MAN 3277/3377 • MB 228.5 • MTU-category 3 • Renault RLD-2 • RVI RXD • SCANIA LDF2 • Volvo VDS 3

LCM 800 10W40 is a high performance oil designed for modern 4-stroke diesel engines used in transport and public works, working under the most severe operating and load conditions. Suitable for EURO 4 and EURO 5 (SCR technology with AdBlue), not for DPF. Drain intervals up to 100,000 km (subject to oil analysis).



LCM 825

10W40

ACEA E4-08/E7-08 • API CI4 • CUMMINS CES 20077/20078 • DAF HP-2 • MACK EO-M+ • MAN 3277 • MB 228.5 • MTU-category 3 • RVI RXD/RLD-2 • SCANIA LDF2/LDF3 • Volvo VDS 3

LCM 825 10W40 is a synthetic engine oil for heavy diesel engines that can be used for both older and the latest engine technologies, EURO 6 equipped with DPF, SCR catalyst (with AdBlue®) and EGR (exhaust gas recirculation). LCM 825 has low volatility (= less oil consumption at high temperatures and heavy loads) and allows for extended drain intervals up to 120,000 km (subject to oil analysis), which may result in substantial cost savings.



LCM 850

5W30

ACEA E4-99/E5/E7-08 • API CF/CI4 • DAF HP-2 • IVECO • MACK EO-M+ • MAN 3277 • MB 228.3 • MTU Category 1 • RVI RXD • Volvo VDS 2 • CUMMINS CES 20076

LCM 850 is a synthetic oil with exceptional performance for heavy-duty diesel engines. The 5W30 version is especially formulated for better fuel economy and extremely low ambient temperatures. LCM 850 meets the specifications of EURO IV engines. Through oil analysis, drain intervals can be extended up to 100,000 km.

5W40

ACEA E4-99/E5/E7-08 • API CF/CI-4 • DAF HP-2 • IVECO • MACK EO-M+ • MAN 3277 • MB 228.3 • MTU-category 3 • RVI RXD • Volvo VDS 2 • CUMMINS CES 20076

Product	Visc.	Specifications	Description
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Medos 650

15W40

ACEA E7-12 • ACEA A3/B3 -12 • ACEA E5 • ALLISON C4 • API CF/CI4 • CAT ECF 1 • CUMMINS CES 20077 • GLOBAL DHD-1 • MAN 3275 • MACK EO-M+ • MB 228.3 • MTU-category 2 • RVI RLD • SCANIA LDF • Volvo VDS 3

S.H.P.D. (Super High Performance Diesel) oil for heavy diesel engines used in transport or public works. Perfectly suited for the lubrication of engines using low-sulphur diesel as commonly found on vehicles and engines used in public works. Drain intervals up to 50,000 km.



Medos 700

10W40  
15W40

ACEA E7-12/E3/E5 • ACEA A3/B3 -12 • API CI4/SL • BAUDOUIN ENGINES • CAT ECF 1a • CAT ECF-2 • CUMMINS CES 20076/20077 • Deutz DQC III-10 • GLOBAL DHD-1 • IVECO • JASO DH-1 • KOMATSU KES07851.1 • MACK EO-M+/EO-N • MAN 3275-1 • MB 228.3/229.1 • MTU-category 2 • RVI RLD-2 • Volvo VDS 3 • ZF-TE-ML 07C

S.H.P.D. (Super High Performance Diesel) oil is a blend of high grade base oils and synthetic components. This engine oil is perfect for lubricating old engines up to Euro 4 engines equipped with EGR. Can be used for a wide range of applications from lorries for motorway transport to heavy diesel engines for terrain applications (public works, agriculture and forestry, etc.).



Agrialle

10W30  
15W30  
15W40

ACEA E4-08/E7-08 • ALLISON C4 • API CI-4/GL4 • API GL5 (low speed, high torque) • CAT T02 • Ford M2C 159B • JD J20A/J20C/J27A • MF M1139/M1141/M1144/M1145 • New Holland 82009202 • NH 410B • ZF-TE-ML 06B/06C/07B

AGRIALLE is a multifunctional lubricant for farm tractors. It is a S.T.O.U. lubricant (Super Tractor Oil Universal) for optimal lubrication of all machine parts of agricultural equipment: tractors, harvesting machines, shredders, etc.

This multifunctional lubricant is ideal for the rationalization of your oil stock, you avoid using the wrong lubricants and you keep your inventory to a minimum.



Xanthos

10W40

ACEA E4-08/E7-08 • ALLISON C4 • API CI-4/GL4 • API GL5 (low speed, high torque) • Case New Holland CNH MAT 3525/3526 • CAT T02 • JD J20C/J20D • MB 228.1 • MF M1139/M1141/M1144/M1145 • NH 410B • VICKERS M2950S • ZF-TE-ML 06B/06C/07B • ZF-TE ML 06A

XANTHOS 10W40 is a multipurpose synthetic based lubricant for equipment in agriculture and public works. This S.T.O.U. lubricant (Super Tractor Oil Universal) is recommended for the lubrication of engines, gearboxes, transmissions, hydrostatic or hydraulic transmissions, wet brakes and compressors. This type of lubricant is not recommended for use in differentials of certain trucks.

Product	Visc.	Specifications / Official approvals	Description
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Pallas 2000 X-Tra

5W30

ACEA E6/E7-08 • ACEA E9-08 issue 2 • API CI-4 • Daimler 235.28 • DEUTZ DQC IV-10 LA • JASO DH-2 • MACK EO-M+ • Mack EO-0 Premium Plus • Mack EO-N Premium Plus • MAN 3477/3677 • MB 228.31/228.51 • MTU TYPE 3.1 • SCANIA Low Ash • RVI RLD-3/RXD • Volvo VDS 4 • Voith retarder oil Class B

PALLAS 2000 X-TRA 5W30 has been developed to meet the most stringent requirements of the latest 4-stroke engines (for heavy transport), in particular in terms of emissions, fuel economy and extended drain intervals. Under conditions of heavy use and regular oil analysis oil, PALLAS 2000 X-TRA can be used for drain intervals up to 150,000 km (depending on the requirements of the manufacturer). PALLAS 2000 X-TRA is suitable for engines with DPF (diesel particulate filter) where a top-5W30 engine oil is recommended for low-emission engines that meet Euro V and Euro VI standards. PALLAS 2000 X-TRA 5W30 provides significant fuel savings (approximately 1 liter per 100 km) compared to an SAE 15W40 oil.



Pallas 900 X-Tra

10W40

ACEA E9-16/E7-16/E6-16 • API CJ4 • CATERPILLAR ECF-2/ECF-3 • CES 20081 • Detroit Diesel DDC 93K218 • DEUTZ DQC IV-10 LA • MACK EO-0 PP • MAN 3477 • MTU TYPE 3.1 • MB 228.31/228.51 • RVI RLD-3 • Volvo VDS 4

Formulated with synthetic base oil, PALLAS 900 X-TRA is an engine oil of the UHPD level (Ultra High Performance Diesel) which has natural multigrade characteristics and an exceptional ability to withstand very high temperatures. Its unsharable grade is guaranteed throughout the whole term of service.

PALLAS 900 X-TRA has been specially developed to meet the most stringent diesel 4 stroke specifications, particularly those that meet the Euro 3 up to Euro 6 levels with particulate filter (DPF = Diesel Particle Filter) and those using SCR technology with the AdBlue additive. This in the most severe operating conditions in either transport or civil engineering works.



Intercooler 400

15W40

ACEA A2/B2/E2 • API CF/CG4/SJ • ALLISON C4 • MAN 271 • MB 228.1/229.1 228.1 • MTU Category 1 • Volvo VDS

INTERCOOLER 400 is a mineral oil created to deal with a large range of Diesel engines, turbo charged or not, as well as petrol engines, performs all year round. INTERCOOLER 400 is the perfect product for mixed vehicle park.



Pallas 800

10W40

ACEA E4-12/E7-12/E6-12/E9-12 • API CI-4 • CUMMINS CES 20076/20077 • DAF HP-2 • DEUTZ DQC IV-10 LA • JASO DH-2 • MACK EO-N • MAN 3271.1/3477 • MTU TYPE 3.1 • MB 228.51/226.9 • RGD • RVI RLD-2/RXD • Volvo VDS 3

PALLAS 800 is a SHPD (Super High Performance Diesel) synthetic based engine oil, with natural multigrade properties. This oil withstands extremely high temperatures, has a very high shear resistance and thanks to the SAE grade it is usable all year round. PALLAS 800 is particularly recommended for heavily loaded applications, both for transport and public works. This oil is ideal for low-emission 4-stroke diesel engines, including those equipped with a particulate filter DPF (Diesel Particle Filter) and/or those using SCR technology (AdBlue). PALLAS 800 is recommended for use in EURO 3 up to EURO 6 diesel engines.



Bergensesteenweg 713 | BE-1600 Sint-Pieters-Leeuw  
Tel. +32 (0)2 365 02 00 | Fax. +32 (0)2 360 01 12  
info@unil.com | www.unil.com | @UnilLubricants