

Delo[®] Gold Ultra

Premium Heavy Duty Engine Oils



Product description

Delo[®] Gold Ultra series are high performance, multigrade, heavy-duty diesel engine oils specifically designed to lubricate a wide range of engines requiring API CI-4 or ACEA E7 performance lubricants, including those fitted with Selective Catalytic Reduction (SCR) and / or Exhaust Gas Recirculation (EGR) emission control technologies.

Delo Gold Ultra lubricants are formulated with ISOSYN[®] Technology to help provide good soot dispersancy, deposit control, and wear protection.

Customer benefits

- **Reduces maintenance costs**

Formulated with ISOSYN[®] technology, which includes a combination of high performance hydrocracked base fluids and carefully balanced metallic detergent and ashless dispersant additive system, which helps provide excellent overall engine cleanliness in a wide range of service conditions. ISOSYN[®] technology also confers the high degree of soot dispersancy required to help maintain oil drain intervals in modern engine designs. Highly effective oxidation stability helps protect against the formation of gums and varnish at elevated temperatures.

- **Prolongs engine life**

High efficiency dispersant combination plus proven metallo-organic anti-wear additive system helps provide excellent protection against wear of critically loaded components under a wide range of operating conditions. Multigrade viscosity offers additional protection against wear at start-up and under high temperature operating conditions.

- **Preserves full power and performance**

Outstanding metallic detergent additive system contributes to power and performance preservation by offering excellent upper-ring-belt deposit control under the high temperatures encountered in turbocharged diesel engines.

- **Extends oil and filter service intervals**

Highly effective antioxidant system is designed to inhibit the formation of sludge forming materials which can lead to premature oil thickening and filter plugging. Very effective dispersant system further assists by keeping insoluble contaminants finely suspended in the oil, minimizing their ability to block oil filters.

Applications

- Mixed fleets of diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Four-stroke gasoline engines in mixed fleets of diesel and gasoline engines
- Commercial road transport
- Off-highway vehicles and plant
- Agricultural tractors and farm machinery
- High speed diesel engines in marine service (e.g., fishing boat, river transport)
- Generator sets
- Mobile hydraulic systems (where oil type and viscosity are appropriate)
- Diesel engines utilizing diesel fuels with up to 35% biodiesel (B35)*

*Note: * Based on actual field trial data. When using Biodiesel blended fuel meeting ASTM D7467 (B6 – B20) or equivalent and higher blends when blended with B100 as per ASTM D6751 or equivalent. When using >B6 biodiesel it is critical to monitor the engine oil level and performance. Refer OEM recommendation for oil selection and drain intervals when using biodiesel.*

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Product approvals, performance, and recommendations

DELO [®] GOLD ULTRA	15W-40	20W-50
API CI-4/SL	Approved	Approved
Cummins CES 20078	Approved	-
Daimler Trucks DTFR 15B110 (previously MB 228.3)	Approved	-
Detroit Diesel 93K215	Approved	-
MTU Category 2	Approved	-
Volvo VDS-3 / Mack EO-N / Renault VI RLD-2	Approved	-
ACEA E7	Meets Requirements	-
Global DHD 1	Meets Requirements	-
Caterpillar ECF-1-a	Meets Requirements	-
Cummins CES 20076, 20077	Meets Requirements	-
MAN Truck & Bus M 3275-1	Meets Requirements	-

Service considerations

For vehicles fitted with Diesel Particulate Filters (DPF), Delo 600 ADF series or Delo 400 SLK series should be selected in accordance with the manufacturer's recommendations. The use of these low SAPS (sulfated ash, phosphorus and sulfur) products will maximize intervals between filter cleaning.

While modest by typical heavy duty diesel standards, Delo Gold Ultra has a level of phosphorus higher than permitted by certain recent standards for passenger car motor oils. Optimum life of catalytic emission control systems will be achieved by using oils of the performance standard recommended by the vehicle manufacturer.

When using with biodiesel blends containing >6% B100, monitoring oil condition is critical. Fuels with higher biodiesel content increase the risk of fuel dilution in the engine oil. This reduces the oxidation stability of the engine oil as biodiesel tends to oxidise more rapidly thus directly impacting the oil drain intervals.

Always follow OEM recommendation for appropriate fuel and engine oil selection.

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Typical Test Data

DELO [®] GOLD ULTRA	TEST METHOD	RESULTS	
SAE Grade		15W-40	20W-50
Product Code		500574	500645
Base No., mg KOH/g	ASTM D2896	10	10
Density @ 15 kg/L	ASTM D4052	0.872	0.8814
Kinematic viscosity,			
mm ² /s @ 40°C	ASTM D445	115	172
mm ² /s @ 100°C	ASTM D445	15.10	18.76
Viscosity Index	ASTM D2270	137	123

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ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

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