



Delo[®] Gold Multigrade

High performance heavy duty diesel engine lubricant

Product Data Sheet

Customer benefits

Reduces fleet maintenance costs

ISOSYN[®] technology, including a combination of high performance hydrocracked base fluids and specially balanced metallic detergent and ashless dispersant additive system, provides excellent overall engine cleanliness in all service conditions. ISOSYN[®] technology also confers the high degree of soot dispersancy required to maintain oil drain intervals in diesel engines. Exceptional oxidation stability protects 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 provides excellent protection against wear of critically loaded components under all operating conditions. Multigrade viscosity provides additional protection against wear at start-up and under high temperature operating conditions.

Preserves full power and performance

Outstanding metallic detergent additive system preserves full power and performance by providing excellent upper-ring-belt deposit control under the high temperatures encountered in turbocharged diesel engines.

Saves on inventory costs

Mid-ash, higher dispersancy formulation provides excellent overall performance in mixed fleets of different engine designs, allowing fewer oils to be stored and reducing the chance of problems arising through product misapplication.

Applications

- Mixed fleets of diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Four-stroke gasoline engines in mixed fleets of both 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)

Product features:

- High performance, multigrade, heavy-duty diesel engine oil specifically designed to lubricate a wide range of diesel engines requiring API CH-4 performance lubricants. Formulated with ISOSYN[®] technology.



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Performance standards

- API CH-4
- API SJ (SAE 15W-40)

Suitable for use in applications requiring following quality oils:

- API CG-4, CF-4, CF
- Cummins CES 20071, 72 (SAE 15W-40)
- Mack WO-M Plus, EO-M, EO-L (SAE 15W-40)
- Volvo VDS (SAE 15W-40)
- JASO DH-1 (SAE 10W-30)

Typical test data

DELO® GOLD MULTIGRADE	TEST METHOD	RESULTS		
Typical Shelf Life: 48 months from date of filling indicated on the product label*				
SAE Grade	ASTM	10W-30	15W-40	20W-50
Product Code		500636	500637	500638
Base No., mg KOH/g	D 2896	10.4	7.5	7.5
Viscosity				
mm ² /s @ 40°C	D 445	82	104	150
mm ² /s @ 100°C	D 445	12.2	14.4	18.2
Viscosity Index	D 2270	144	142	134
Flash Point, COC, °C	D92	232	237	237
Pour Point, °C	D97	-39	-39	-39

* Typical Shelf Life: (a) if stored under normal conditions and (b) can be extended after re-testing.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Global Lubricants: Africa, Middle East and Pakistan



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Service considerations

For vehicles fitted with diesel particulate filters (DPFs), Delo 400 MGX or Delo 400 SLK 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 Multigrade has a level of phosphorus higher than permitted by certain recent standards for passenger car motor oils, e.g. ILSAC GF-5, and the ACEA "C" standards. Optimum life of catalytic emission control systems will be achieved by using oils of the performance standard recommended by the vehicle manufacturer.

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 www.caltexoils.com.

For more information, go to www.chevronlubricants.com

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