



Delo® Gold Multigrade

Multifunctional Diesel Engine Oil

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:

- Delo® Gold Multigrade is a high performance, multigrade, heavy-duty diesel engine oil specifically designed to lubricate a wide range of diesel engines requiring API CH-4 performance lubricants.
- Delo® Gold Multigrade is formulated with ISOSYN® Technology.



Typical key properties

DELO® GOLD MULTIGRADE	
SAE Grade	15W-40
Product Code	500637
Base No., D2896, mg KOH/g	8
Viscosity, mm ² /s @ 40°C	110
mm ² /s @ 100°C	14.4
Viscosity Index	134
Zinc, mass %	0.12

0520

Performance standards

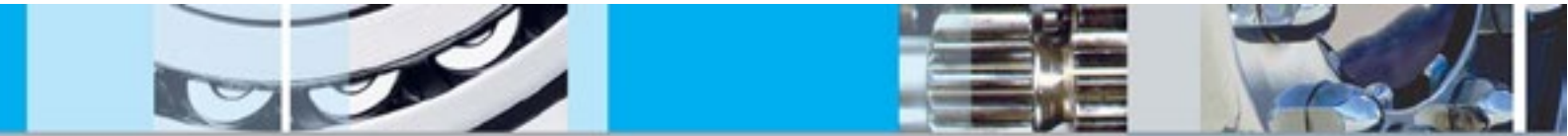
- API CH-4/SL
- Daimler MB-Approval 228.3
- MTU Category 2

Suitable for use in applications requiring following quality oils:

- API CG-4, CF-4, CF
- ACEA E3-96
- Cummins CES 20071, 72
- Mack EO-M, EO-L
- Volvo VDS-2

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.Caltex.com.



Service considerations

For vehicles fitted with diesel particulate filters (DPFs), Delo 400 MGX or Delo 400 SDE 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.

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 Lubricants
- Asia Pacific