



# Delo® Gold Ultra SAE 20W-50

## 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 modern engine designs. Exceptional oxidation stability protects against the formation of gums and varnish at elevated temperatures.

#### Prolongs engine life

- Efficient 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 power and performance

- Outstanding metallic detergent additive system preserves power and performance by providing excellent upper-ring-belt deposit control. Carefully optimized viscosity modifier package minimizes impact on engine efficiency from high SAE viscosity grade.

### Applications

The following applications whenever the manufacturer recommends SAE 20W-50 grade.

- 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
- Agricultural tractors and farm machinery
- High speed diesel engines in marine service (e.g., fishing boat, river transport)
- Diesel engines utilizing diesel fuels with up to 20% biodiesel (B20)\*

**Note:** \* When using Biodiesel blended fuel meeting ASTM D7467 (B6 – B20) or equivalent. When using >B6 biodiesel it is critical to monitor the engine oil level and performance.

### Product features:

- **Delo® Gold Ultra SAE 20W-50** is a high performance, multigrade, heavy-duty diesel engine oil suitable for a range of diesel engines requiring API CI-4 or SL performance lubricants, and where a customer preference for high viscosity exists.
- **Delo® Gold Ultra** is formulated with ISOSYN® technology.





## Typical key properties

### DELO® GOLD ULTRA SAE 20W-50

SAE Grade	20W-50
Product Code	500645
Base No., D2896, mg KOH/g	10.2
Phosphorus, m %	0.11
Sulfated Ash, m %	1.4
Viscosity,	
mm <sup>2</sup> /s @ 40°C	164
mm <sup>2</sup> /s @ 100°C	19.1
Viscosity Index	133
Zinc, m %	0.12

0120

## Performance standards

- API CI-4/SL



## Service Considerations

For vehicles fitted with diesel particulate filters (DPFs), Delo 400 LE or Delo XLE Multigrade 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, 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.

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. Biodiesel contents greater than B5 have a lower energy content than diesel fuel, which may result in slight horsepower loss and slightly increased fuel consumption.

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

### 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.chevronlubricants.com](http://www.chevronlubricants.com).

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**  
– Asia Pacific