



# CALTEX

# PRODUCT BULLETIN



## Delo<sup>®</sup> Silver Multigrade

### Multifunctional Diesel & Gasoline Engine Oil

High performance, multigrade, heavy-duty diesel engine oil specially designed to lubricate diesel and gasoline engines requiring API CF-4, CF or SG performance lubricants.

#### APPLICATIONS

- Mixed fleets of diesel engines (high-speed, four-stroke, turbocharged or naturally aspirated)
- Mixed fleets of both gasoline and diesel engines
- Gasoline engines (four-stroke)
- Commercial road transport
- Off-highway vehicles
- Agricultural tractors
- High speed diesel engines in marine service (e.g., fishing, river transport, etc.)
- Generator sets
- Mobile hydraulic systems (where oil type and viscosity are appropriate)

#### PERFORMANCE STANDARDS

- API CF-4
- API CF
- API SG
- Japanese CD (SAE 15W-40, 20W-50)
- CCMC D2
- MIL-L-2104E (SAE 15W-40)
- IS 13656 EDL-3

#### ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Caltex Material Safety Data Sheet (MSDS) and Caltex 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](http://www.caltexoils.com).

#### BENEFITS

- ★ **Saves on fleet maintenance costs**  
Metallic detergent and ashless dispersant additive system provides both high temperature deposit control in diesel engines and low temperature sludge control in gasoline engines. High oxidation stability protects against the formation of gums and varnish at elevated temperatures, and resists thickening, and oil line and filter plugging.
- ★ **Longer engine life**  
Proven metallo-organic anti-wear additive system protects 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.
- ★ **Maintains high power and performance**  
Metallic detergent and ashless dispersant additive system maintains high power and performance by providing very good upper-ring-belt deposit control, particularly under the high temperatures encountered in turbocharged diesel engines.
- ★ **Low inventory costs**  
Mid-ash, medium dispersancy formulation provides very good 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.

#### KEY PROPERTIES

SAE Grade	10W-30	15W-40	20W-40	20W-50
Base No.,				
D2896, mg KOH/g	10.2	10.2	10.2	10.2
D4739, mg KOH/g	9.2	9.2	9.2	9.2
Sulfated Ash, m %	1.4	1.4	1.4	1.4
Viscosity,				
mm <sup>2</sup> /s @ 40°C	80	115	129	174
mm <sup>2</sup> /s @ 100°C	12.0	15.1	15.1	19.1
Viscosity Index	145	137	120	125
Zinc, m %	0.09	0.09	0.09	0.09

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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 ChevronTexaco Global Lubricants



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