



CHEVRON DIESEL ENGINE OILS DELO[®] 6170 CFO

SAE 20W-40, 40

CUSTOMER BENEFITS

Chevron Diesel Engine Oils Delo 6170 CFO deliver value through:

- **Ability to maximize oil and filter life**
- **Improved wear control**
- **Extended drains**
 - Extends oil drains in new low oil consumption GE locomotives, reducing oil costs
 - Better oxidation and viscosity control
 - Better alkalinity retention
- **Potential fuel savings.** The **SAE 20W-40** grade reduces fuel and oil consumption compared to single grade oils.
- **Proven superior field performance**

FEATURES

Chevron Diesel Engine Oils Delo 6170 CFO are outstanding high dispersancy, high alkalinity, 17 base number engine oils for use in diesel engines used in railroad, power generation, oil well drilling, and marine and industrial service requiring a zinc-free oil and Generation 4 LL or Generation 5 lubricant characteristics. Chevron Diesel Engine Oils Delo 6170 CFO represent the latest in oil technology for this type of service and satisfy the requirements of the newest engine technology.

Chevron Diesel Engine Oils Delo 6170 CFO are manufactured using the highest quality base oils and a nonchlorinated additive package that offers low engine wear and minimizes used oil disposal issues. Chevron Diesel Engine Oils Delo 6170 CFO SAE 20W-40 includes a dispersant viscosity index improver.

New engine designs, aimed at reducing operating expenses, operate at higher combustion pressures and higher temperatures which require improved oxidation and viscosity control. In addition, new piston and ring designs call for increased alkalinity reserve to control corrosive wear and deposit formation.

Chevron Diesel Engine Oils Delo 6170 CFO successfully handle these new requirements by providing outstanding resistance to viscosity increase due to superior oxidation and thermal stability, and by providing a high alkalinity level (17 base number, ASTM D 2896).

APPLICATIONS

Chevron Diesel Engine Oils Delo 6170 CFO are recommended:

- for use in all railroad-type diesel engines for locomotive, marine equipment, stationary electric generating plants, offshore drilling equipment, and many other applications.
- where large medium-speed EMD or GE diesel engines are used for primary power.

Chevron Diesel Engine Oils Delo 6170 CFO are:

- completely compatible with earlier Delo railroad oils.
- miscible with competitive railroad type oils and additive systems consistent with engine manufacturers recommended practices.

Chevron Diesel Engine Oils Delo 6170 CFO provide excellent performance in older locomotive types such as Sulzer, Baldwin, and ALCO.

Chevron Diesel Engine Oil Delo 6170 CFO **SAE 40** is recommended

- for use in Caterpillar and other diesel engines operating where sulfated ash levels above 1% are acceptable.
- where DDC engines are used for auxiliary power. Detroit Diesel Corporation approves the use of Generation 4 and 5 zinc-free railroad engine oils in these applications.

Chevron Diesel Engine Oils Delo 6170 CFO meet the performance requirements of:

- **API Service Categories** CD¹, CD-11¹, CF, CF-2
- **Caterpillar** TO-2 (SAE 40)

Chevron Diesel Engine Oils Delo 6170 CFO:

- are qualified by Electro Motive Division, **General Motors**, for use in engines operating under EMD factory warranty
- are fully approved by **General Electric** as Extra Performance Lubricants

1. Obsolete specification

TYPICAL TEST DATA

SAE Grade	20W-40	40
<i>CPS Number</i>	235068	235069
<i>MSDS Number</i>	6712	6712
API Gravity	28	27
Viscosity, Kinematic cSt at 40°C cSt at 100°C	138 15.4	144 14.8
Viscosity Index	115	101
Flash Point, °C(°F)	252(486)	263(505)
Pour Point, °C(°F)	-27(-17)	-18(0)
Sulfated Ash, wt %	2.0	2.0
Base Number, ASTM D 2896	17	17
Zinc, ppm	<10	<10

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.