



TEXACO DIESEL ENGINE OIL

13 SG

CUSTOMER BENEFITS

Texaco Diesel Engine Oil 13 SG 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
- **Proven superior field performance**

FEATURES

Texaco Diesel Engine Oil 13 SG is an outstanding high dispersancy, high alkalinity, 13 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. Texaco Diesel Engine Oil 13 SG represents the latest in oil technology for this type of service and satisfies the requirements of the newest engine technology.

Texaco Diesel Engine Oil 13 SG is manufactured using premium quality base oils and a nonchlorinated additive package that offers low engine wear and minimizes used oil disposal issues.

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.

Texaco Diesel Engine Oil 13 SG successfully handles these new requirements by providing outstanding resistance to viscosity increase due to superior oxidation and thermal stability, and by providing a high alkalinity level (13 mg KOH/g by ASTM D 2896).

APPLICATIONS

Texaco Diesel Engine Oil 13 SG is 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.

Texaco Diesel Engine Oil 13 SG

- is miscible with competitive railroad type oils and additive systems consistent with engine manufacturers recommended practices.
- provides excellent performance in older locomotive types such as Sulzer, Baldwin, and ALCO.

Texaco Diesel Engine Oil 13 SG 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.

Texaco Diesel Engine Oil 13 SG meets the performance requirements of:

- **API Service Categories** CD¹, CD-II¹, CF, CF-2
- **Caterpillar** TO-2

Texaco Diesel Engine Oil 13 SG meets the requirements of:

- Electro Motive Division, General Motors, for use in engines operating under EMD factory warranty
- General Electric for an Extra Performance Lubricant

1. Obsolete specification

TYPICAL TEST DATA

<i>CPS Number</i>	221672
<i>MSDS Number</i>	10570
API Gravity	26.5
Viscosity, Kinematic cSt at 40°C cSt at 100°C	147.1 14.8
Viscosity Index	100
Flash Point, °C(°F)	240(464)
Pour Point, °C(°F)	-15(+5)
Sulfated Ash, wt %	1.53
Base Number, ASTM D 2896	13
Zinc, ppm	<10

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