

Delo 6130 CFO SAE 40

13 Base Number, Chlorine-Free,
Railroad Diesel Engine Oil

Product Data Sheet



Premium performance, 13 Base Number, "zinc-free", LMOA Generation 5 diesel engine oil, utilizing chlorine-free additive technology, for use in railroad-type diesel engines, particularly modern higher output, lower oil consumption designs. Compared with Generation 4 oils, it has significantly enhanced dispersancy and oxidation resistance.

APPLICATIONS

- Medium speed, two and four-cycle railroad-type diesel engines, including the most recent high-output, low oil consumption designs, whether in railroad, stationary or marine service.
- Electro-Motive Diesel (EMD) 567, 645 and 710 (two-cycle) and 265H (four-cycle) railroad diesel engines in railroad, marine and stationary power-plant service.
- General Electric (GE) 7FDL, 7HDL and GEVO railroad diesel engines in railroad, marine and stationary power-plant service.
- Detroit Diesel Corporation (DDC) two-cycle diesel engine applications, Series 53, 71, 92 and 149. (SAE 40 only).

Not suitable for use in marine-type engines equipped with active purification systems.

BENEFITS

- **Reduces maintenance costs**
High alkaline reserve ensures that corrosive acids formed by the combustion of fuel sulfur are effectively neutralized, thereby minimizing corrosive wear without causing valve distress due to "guttering". The special "zinc-free", ashless anti-wear additive system protects components from adhesive wear, and guards against attack of silver plated bearings.
- **Maintains high power output**
Superior thermal and oxidation stability assist the detergent/dispersant additive system in providing excellent control of high temperature deposits in areas such as the undercrown of the piston and piston ring belt area, enabling piston rings to function efficiently.
- **Prolongs oil change-out periods**
Superior alkalinity retention characteristics maintain sufficiently high Base Number (BN) under all service conditions to ensure corrosive acids formed by the combustion of fuel sulfur are effectively neutralized.
- **Prolongs service intervals**
Improved oxidation stability when compared with LMOA Generation 4 oils, allows the retention of standard service intervals with today's high specific output and lower specific oil consumption engines.

PERFORMANCE STANDARDS

LMOA	Generation 5 (self-certified)
API	CF, CF-2 (self-certified)
EMD	Internal Listing (Worthy of Full Scale Field Trial)
GE	Fundamental Approval



TYPICAL CHARACTERISTICS

Product Code	2982
SAE Grade	40
Density at 15°C, kg/L	0.89
Sulfated Ash, m%	1.5
Base No., D2896, mg KOH/g D4739, mg KOH/g	13.0 12.5
Viscosity cSt at 40°C cSt at 100°C	144 14.7
Viscosity Index	101
Zinc, mg/kg	<< 10

PACK SIZES

1000L, 205L, 20L

ENVIRONMENT, HEALTH AND SAFETY

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

OTHER INFORMATION

For further information on Caltex products and services call the Lubelink Advisory Service on 1300 364 169 between 8.00am and 6.00pm (EST) Monday to Friday.

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