

Delo[®] 6130 CFO SAE 40

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



Product description

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.

Customer benefits and product features

Customer 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.

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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 powerplant service.
- General Electric (GE) 7FDL, 7HDL and GEVO railroad diesel engines in railroad, marine and stationary powerplant service.
- Detroit Diesel Corporation (DDC) two-cycle high speed diesel engines in on and off highway applications, including use with low and ultra low sulfur diesel fuel.

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

Not recommended for use in marine and other transmissions and gearsets where heavy duty diesel engine oils are customarily used.

Product approvals, performance and recommendations

Performance

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

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Typical test data

DELO® 6130 CFO	RESULTS
SAE Grade	40
Product Code	550040
Base No.,	
D2896, mg KOH/g	13.0
D4739, mg KOH/g	12.5
Sulfated Ash, m %	1.5
Viscosity,	
mm ² /s @ 40°C	144
mm ² /s @ 100°C	14.7
Viscosity Index	101
Zinc, mg/kg	<10

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 the Product Information Center.

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