



Delo[®] 6170 CFO SAE 40

Zinc-Free Heavy Duty Diesel Engine Oil

Product Data Sheet

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" in two cycle engines.
- **Maintains power output**
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.

Applications

- Detroit Diesel two cycle engines. burning fuels with sulfur content up to 1.0 mass%
- Older Caterpillar D-series prechamber engines burning fuels with sulfur content up to 1.0 mass%.

Performance Standards

- API CF, CF-2

Service Considerations

Owing to the higher level of dispersancy of Delo 6170 CFO, it is not suitable for use in engines which are equipped with active purification systems. In these, marine trunk piston engine oils (TPEOs) such as Taro 20 DP should be used. Such systems continuously remove combustion contaminants from the oil, by use of centrifugal type separators and automatic back flushing type filtration systems.

As a consequence, TPEOs are formulated to hold contaminants in suspension while in the engine and reserve tank, but release them in the purification system. At the same time, they must resist the loss of detergent/dispersant additives with the contaminants whilst undergoing purification.

Product features:

Zinc-Free heavy duty diesel engine oil meeting API CF and CF-2.

A Chevron company product

Because of this, they are formulated differently from automotive and railroad diesel engine oils which are designed for systems without active purification. Consequently, one type should never be substituted for the other.

The chlorine-free formulation of Delo 6170 CFO offers easier logistics for collection and disposal of used oil where the inclusion of chlorine-containing products is limited by regulation.

Product Specifications

DELO 6170 CFO SAE 40 KEY PROPERTIES	RESULTS
SAE Grade	40
Product Code	550037
Base No.,	
D2896, mg KOH/g	17.0
D4739, mg KOH/g	16.4
Sulfated Ash, m %	2.0
Viscosity,	
mm ² /s @ 40°C	148
mm ² /s @ 100°C	14.7
Viscosity Index	98
Zinc, mg/kg	<10

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

For more information, go to www.chevronlubricants.com