



HIGH-SPEED ENGINE OILS

Delo[®] 6170 CFO 40**Description**

Delo 6170 CFO 40 is a highly dispersant, moderately alkaline diesel engine oil. It is intended 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. It is manufactured using the highest quality base oils and nonchlorinated additives that offer low engine wear and minimize used oil disposal issues.

Typical Characteristics

SAE Viscosity Grade	40
Code	040705
Base number, mgkOH/g	17
Density at 15°C, kg/l	0.91
Flash point, COC, °C	250
Pour point, °C	-18
Sulphated ash, mass %	2.0
Viscosity, kinematic, mm ² /s (cSt)	
at 40°C	137
at 100°C	14.0
Viscosity index	99

Recommended Uses

Delo 6170 CFO 40 is recommended for all railroad-type diesel engines used in marine applications, power generation plants and offshore drilling rigs. It is also recommended for use in Caterpillar and other diesel engines operating where sulphated ash levels above 1% are acceptable. Delo 6170 CFO 40 is intended for use with distillate fuels with moderate sulphur content.

Performance Benefits**1. High Alkaline Reserve**

Eliminates premature oil drains due to depletion of alkalinity.

2. Detergent Properties

Eliminates ring sticking and minimizes deposits in critical areas such as ring belt, topdeck, airbox and crankcase.

3. Dispersant Properties

Disperses combustion products resulting from blow-by, preventing oil ring clogging. Extends oil filter life.

4. Wear Control

High alkalinity minimizes corrosive wear. Protects highly loaded parts from scuffing through excellent extreme pressure properties.

5. Oxidation Stability

Minimizes viscosity increase caused by oxidation of the oil.

6. Silver Bearing Lubrication

Provides superior lubrication of the silver wrist pin bearings used in GM-EMD engines and effectively protects them from smearing and corrosion.