



## Optimax 15W40 CF4

### High Performance Diesel Engine Oil

Optimax SAE 15W-40 oils are High Performance Heavy Duty Engine Lubricant designed for use in all diesel engines. They are based on a blend of high quality HVI solvent refined mineral oils and an advanced additive package.

#### Applications

- **Dedicated diesel engine oil performance**  
Provide outstanding lubrication in all 4-stroke diesel engines
- **Road Transport (CRT) & Construction Industry Units**  
Designed for use in road transport and construction industry units
- **High-Speed/Stop-Start Duty**  
Constant high speed or stop start duty on or off the road under the most arduous conditions

#### Performance Features

- **Outstanding thermal stability and oxidation resistance**  
Outstanding thermal stability and oxidation resistance maintains high standards of piston cleanliness.
- **Cleaner engines**  
Overall engine cleanliness contributes to low engine wear, long component life, optimum power output and lower servicing costs.
- **Excellent dispersancy**  
Excellent dispersancy reduces the risk of hot and cold sludge forming in the sump reservoir and under rocker box covers
- **High temperature stability**  
Carbon and lacquer deposits on vital moving parts caused by very high engine temperatures are effectively controlled.

#### Performance Specifications

US Military	MIL-L-2104F (meets requirement)
API:	CF4 (SAE 10W 30, 15W 40 & 20W50), CF, CE and CD
ACEA	D-4
Mercedes Benz	228.0
Volvo	- VDS (Long drain Oil)
MAN	- 270
MACK	- EO-K/2 (SAE30 & 40)
General Motors Allison	C-4 (meets spec)
Caterpillar	CAT TO-2

#### Typical Physical Characteristics

Optimax	15W-40
<b>SAE Viscosity Grade</b>	15W-40
<b>Viscosity @ 40°C, cSt</b> 100°C, cSt	109.8 14.6
<b>Viscosity Index (min)</b>	130 typical
<b>Density @ 15°C, kg/l</b>	0.879
<b>Flash Point °C (IP 36)</b> (Cleveland Open Cup)	222
<b>Pour Point, °C</b>	-18
<b>TBN-E mg KOH/g</b>	9.5
<b>Sulphated ash content % wt</b>	1.13

These characteristics are typical of current production. Whilst future production will conform to Eterna Specifications, variations in these characteristics may occur.

#### Health, Safety & Environment

Optimax Oil is unlikely to present any significant HSE hazard when properly used in the recommended application whilst good industrial, personal hygiene and environmental standards are maintained.

Avoid contact with skin. Use impervious gloves with used oil. In the event of skin contact, wash immediately with soap and water.

Dispose used oil safely. Do not discharge into drains, soil or water.

#### Advice

Advice on applications not covered in this leaflet may be obtained from the Lubricants Department, Eterna Plc, 5a Oba Adeyinka Oyekan Avenue (formerly Second Avenue), Ikoyi, Lagos.

Tel: 01-8981836, 8981842, 2691651.