

# Opt-Max CF-4 15W-40, 20W-50

## Diesel Engine Oil

Opt-Max CF-4 15W-40 and 20W-50 are high performance, heavy duty diesel engine oil designed to lubricate a wide range of diesel engines requiring API CF-4 lubricants.



### Product Description

Opt-Max CF-4 15W-40 and 20W-50 are high performance diesel engine oil that help to maximise engine life by controlling deposits and protecting against wear in highly loaded components under severe operating conditions.

### Features and Benefits

- Excellent stay-in-grade characteristics which help to prolong the oil life for extended oil drain intervals.
- High thermal and oxidation stability which helps to control deposits and sludge formations in the engine.
- Excellent anti-wear protection which helps to minimise wear, prolong service life of engine and lowers servicing costs.
- Excellent detergency and dispersancy properties which help to maintain engine power and keeps the engine clean.

### Applications

- Opt-Max CF-4 15W-40 and 20W-50 are suitable for diesel powered engines that operate under extreme conditions at a wide range of temperatures.
- It is suitable for both highway and off highway vehicular diesel engines where API CF-4 diesel engine oils and extended drain intervals are required.
- Suitable for off highway industries such as construction, mining, quarrying, and agriculture.

### Performance Standards

Opt-Max CF-4 15W-40, 20W-50 meet the following performance requirements:

- API: CF-4
- ACEA: E2

## Specifications

Product Properties		Opt-Max CF-4 15W-40	Opt-Max CF-4 20W-50	Testing Methods
SAE Viscosity Grade	-	15W-40	20W-50	-
Kinematic Viscosity (40°C)	mm <sup>2</sup> /s	104	162.0	ASTM D445
Kinematic Viscosity (100°C)	mm <sup>2</sup> /s	14.3	18.9	ASTM D445
Viscosity Index	-	141	134	ASTM D2270
Density (15°C)	kg/m <sup>3</sup>	890.0	893.0	ASTM 4052
Flash Point (open)	°C	226	246	ASTM D92
Pour Point	°C	-25	-27	ASTM D97

\* Above product properties are indicative and subject to change without prior notice

## Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max CF-4 15W-40 and 20W-50 Engine Oil
- Opt-Max CF-4 15W-40 and 20W-50 Engine Oil must be stored in dedicated storage tanks/ equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max CF-4 15W-40 and 20W-50 Engine Oil must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrol-chemical product.

## Health & Safety

Opt-Max CF-4 15W-40 and 20W-50 Engine Oil are unlikely to present any significant health or safety hazard when properly used in the recommended application. These products must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max CF-4 15W-40 and 20W-50 Engine Oil Material Safety Data Sheet.