



# PRODUCT DATA SHEET

## SCOPE METRIC FULLY SYNTHETIC DIESEL ENGINE OIL API CI-4

### **Description**

Scope Extra high performance, fully synthetic diesel engine oil formulated with hydrocracked base oil and advanced additive technology with a lower ash content which reduces the stress on the emissions control system to achieve latest Euro IV low emission standards. It meets latest industry and OEM Heavy Duty specifications. It provides protection against oil thickening, high temperature, sludge build up, oil degradation and corrosion. It also maximizes detergency.

### **Applications**

- Severe Duty Heavy Diesel Engines
- All turbo charged or super charged diesel engines working at high speeds high load severe duty conditions and burning different quality of diesel fuels.
- Naturally aspirated diesel engines.
- Provides full protection and maximum oil life.

### **Properties**

- Higher oxidation stability reduced high temperature deposits.
- Reduced fuel consumption
- Long engine life and engine overhaul intervals.
- TBN retention for longer periods
- Extended oil drain period
- Lower oil consumption.
- Prevent ring sticking and reduces ring wear and bore polishing.

## **Performance Standards**

- API CI-4
- ACEA E7-04
- MAN MTU Type3
- MAN 3277
- MERCEDEC BENZ, MB 228.5
- VOLVO VDS 3

## **Typical characteristics**

Test	Test Method	CI4
SAE Grade	-	10W/40
Density @ 15°C, Kg/ltr	D-4052	0.860
Kinematic Viscosity @ 40 <sup>o</sup> C cSt	D-445	92.00
@ 100 <sup>o</sup> C cSt	D-445	14.00
Viscosity Index	D-2270	156
TBN, mg/KOH/gm	D-2896	10.0
Pour Point, °C	D-97	-39
Flash Point, °C	D-92	230
Apparent viscosity by CCS	D-5293	6000 @ -25 <sup>o</sup> C

## **Health & Safety Data**

This product present negligible hazard to users if they are properly handled and used.