



## PRODUCT & TECHNICAL DATA

# PRO SYNTEC 15W40 CI-4 PLUS

### ADVANCED SYNTHETIC TECHNOLOGY XHPD ENGINE OIL

#### DESCRIPTION

Pro Syntec 15W40 CI-4+ is an advanced semi synthetic Extreme Heavy Performance Diesel (XHPD) multigrade engine oil. It is formulated to provide maximum protection in both modern, high-output engines including those with EGR (Exhaust Gas Recirculating) technology, as well as older engines that operate with high or low sulphur fuels. Its superior detergent-dispersant additive system, blended with high viscosity Group II & Group III synthetic base fluids, provides ultimate protection to high output turbo-charged engines.

#### APPLICATIONS

Pro Syntec 15W40 CI-4+ is recommended and used in a wide range of heavy or extra heavy duty applications. Sectors where Pro Syntec 15W40 CI-4+ is mostly used in that of marine, mining, industrial, agricultural, and trucking industries and suitable for naturally aspirated and turbocharged diesel engines, off-highway equipment and gensets running on diesel fuel. It can also be used in petrol engines with an API specification SL.

#### PERFORMANCE LEVELS

- API CI-4+ / CI-4 / SJ / SL
- ACEA E7-08 Issue 2; ACEA A3/B3-10; ACEA A3/B4-10
- MB 228.3 & MB 229.1
- MAN M3275
- Allison C4 Level
- Global DHD-1
- Volvo VDS-3
- MTU Type 2
- MACK EO-M Plus
- Cummins CES 20076/77/78
- Renault Truck RLD-2
- CAT ECF 1-a & ECF-2 (New Generation)
- JASO DH-1
- Deutz DQC-III

#### FEATURES AND ADVANTAGES

- Superior oxidation stability from the use of high quality group II base stocks.
- Excellent pumpability in low temperatures ease in easier engine start-up and reduces wear.
- Very good TBN retention (alkalinity) to neutralize combustion acids for longer periods.
- Ultimate soot control prevents build up and premature wear in the engine.
- Extended drain interval comes from a combination of the above features.

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### PHYSICAL CHARACTERISTICS

SAE	15W40 Synthetic
Viscosity @ 40 °cSt	119.97
Viscosity @ 100 ° cSt	15.18
Viscosity Index	131.4
Pour Point, °C	-33
Flash Point, °C	>226
Sulphated Ash (% Maximum)	1.5
Density @ 20 °C, kg/l	0.8761
Total Base Number, mg, KOH/g	10.50
CCS Viscosity: cP @ -20°C, ASTM D5293	5220
MRV: cp @ -25°C, ASTM D3829	14270 NYS
Borderline Pumping Viscosity cP @ -25°C, ASTM D4684	20180

### GENERAL ADVICE

Further information on all Pro Oil SA lubricants is available from any Pro Oil SA office or from:  
[www.prooil.co.za](http://www.prooil.co.za)

These characteristics are typical of current production.  
Whilst future production will conform to Pro Oil SA's specification, variations in these characteristics may occur.

#### Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Pro Oil SA representative.

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