



PRODUCT DATA SHEET

HTO CJ-4 15W/40

PRODUCT DESCRIPTION

HTO CJ-4 15W/40 is an SAE 15W/40 diesel engine oil which meets international specifications for top performance and long service life in four stroke turbo-charged and normally aspirated diesel engines. It is formulated for use in heavy duty diesel engines operating in the harsh Australian conditions. This lubricant is specifically designed to meet the requirements of the latest low emission US engines with cooled EGR, as well as Caterpillar ACERT engines.

BENEFITS

- Promotes the highest standards of engine cleanliness in modern highly stressed turbocharged engines. It effectively controls and inhibits bore polishing tendencies, high oil consumption rates and premature wear.
- Assists in reducing soot thickening in the latest US low emission engines.
- Minimises the formation of damaging deposits in ring grooves and land areas, particularly the quench top ring belt areas of 'tight piston' engines.
- The special balance of over-based alkaline reserve additives (TBN components) effectively neutralises acidic combustion by-products caused by the sulphur content in fuel (especially diesel fuel). This helps reduce the corrosion of critical engine components and the otherwise catastrophic effects these by-products have on oil.

SPECIFICATIONS

HTO CJ-4 15W/40 meets or exceeds the following demanding performance requirements:

API: CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF-4

API: SN, SM, SL

ACEA: E9

EURO emission requirements: I, II, III, IV, V, VI

OEMs: CAT ECF-3, ECF-2, ECF-1-A
Detroit Diesel PGOS 93K218
Mack EO-O Premium Plus
MAN. M3575
Renault RVI RLD-3

Cummins CES 20081
Deutz DQC III-10 LA
Mercedes Benz MB 228.31
MTU Type 2.1
Volvo VDS-4

Always consult your vehicle owner's manual for the manufacturer's recommendations.

TYPICAL PROPERTIES

| Property | Results |
|-------------------------|---------|
| Appearance | Brown |
| Density (kg/Lt) @15°C | 0.876 |
| Viscosity (cSt) @ 100°C | 14.8 |
| @ 40°C | 116 |
| Flash Point COC (°C) | 232 |
| Pour Point (°C) | -30 |
| CCS (cP) @ -20°C | 6450 |
| Viscosity Index | 131 |
| TBN (mg KOH/g) | 8.3 |
| Sulphated Ash (% wt) | 1.0 |
| Phosphorus (% wt) | 0.11 |





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PRODUCT DATA SHEET

Available in: Bulk, 1000 Litres, 200 Litres and 20 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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