



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

FLEETMASTER LONG DRAIN 10W/40

PRODUCT DESCRIPTION

Fleetmaster Long Drain 10W/40 is a full synthetic, long drain, heavy duty diesel engine oil designed to meet the Scania LDF-3 long drain requirements. It incorporates multi-functional additive technology with fully synthetic-base oils to provide superior protection to heavy duty diesel engines operating in the harsh Australian conditions. It is formulated to help with maintenance, enhance long drain performance, improve fuel economy and promote better protection against wear compared to standard mineral oil products.

The key benefits of **Fleetmaster Long Drain 10W/40** are:

- Lower volatility to reduce oil consumption
- Superior wear protection
- Better resistance to oxidation and oil thickening promoting a longer service life especially in the presence of biofuels
- Extended oil drain to reduce maintenance
- Improved fuel economy

Fleetmaster Long Drain 10W/40 is recommended for use in Euro 6 Scania vehicles requiring the Scania LDF-3 performance level and is backwards compatible to the LDF-2 and LDF performance levels for older vehicles. It is recommended for Mercedes Benz diesel engines requiring the MB 228.5 performance level for extended oil drain intervals and other engines where ACEA E4 is required.

SPECIFICATIONS

Fleetmaster Long Drain 10W/40 meets or exceeds the following demanding performance requirements:

ACEA: E4, E7

API: CF

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

OEMs: Cummins CES 20072
Deutz DQC III-10
Mercedes Benz MB 228.5
MTU Type 3
Scania LDF-3
ZF TE-ML 04C

DAF Extended Drain
Mack EO-M Plus and EO-N
MAN. M3277
Renault RLD, RLD-2, RD-2
Volvo VDS-3

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



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TYPICAL PROPERTIES

| Property | ASTM Method | Results |
|------------------------------|-------------|---------|
| Density (kg/m ³) | D1298 | 0.869 |
| Viscosity (cSt) @ 100°C | D445 | 13.1 |
| @ 40°C | D445 | 86.0 |
| CCS (cP) @ -25°C | D5293 | 6290 |
| Viscosity Index | D2270 | 153 |
| HTHS (cP) | D4683 | 3.8 |
| Flash Point COC (°C) | D92 | 224 |
| Pour Point (°C) | D97 | -39 |
| Sulphated Ash (% wt) | D874 | 1.9 |
| TBN (mg KOH/g) | D2896 | 15.7 |
| Phosphorus (% wt) | D4951 | 0.12 |
| Zinc (% wt) | ICP | 0.13 |
| Calcium (% wt) | ICP | 0.49 |

Available in: Bulk, 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"

Item Code: HI2-2260

Effective: March 2022

MR223013/1



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