



MILLERS OILS

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PRODUCT DATA SHEET
COMMERCIAL
VEHICLE



COMMERCIAL VEHICLE



DATA SHEET NO: 7770

PRODUCT NAME/VISCOSITIES:

TRUCKMASTER EE CJ-4 15w40

DESCRIPTION:

A high quality, low friction, fuel efficient engine oil. Part of the Millers Oils NANODRIVE Low Friction Technology range. Providing class leading performance in heavy duty, long drain diesel engine oils, utilising a combination of the latest technology, Group II base oils, viscosity index improvers and performance additives. Formulated to meet the mid SAPS (Sulphated Ash, Phosphorus & Sulphur) requirements of today's high performance emission controlled engines. Meeting Volvo VDS-4, MB 228.31, Cummins 20081 and ACEA E9 (2012) specifications.

APPLICATION:

Truckmaster EE CJ-4 15w40 is especially suitable where long and extended oil drain intervals are required as part of the vehicle maintenance scheduling. The Millers Oils NANODRIVE Low Friction Technology adds further economical benefits.

FEATURES AND BENEFITS:

The Millers Oils NANODRIVE Low Friction Technology provides the following benefits:

- Laboratory tests and results confirm a reduction in friction of up to 27% providing a reduction in wear of 20% compared to other standard CJ-4 15w40 grades
- The coefficient of friction reduces rapidly as the engine temperature rises, maximising fuel economy and reduces emissions accordingly
- Protects against wear, extending engine component life
- Overall running costs are reduced through lower fuel consumption and longer component life
- The combination of premium grade base oils, viscosity index improvers and the performance additive package has provided an engine oil of outstanding capability

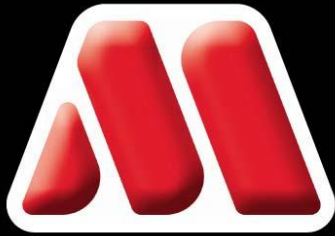
SPECIFICATIONS:

- | | |
|-------------------------|-------------------------------|
| • ACEA E9-12 | Cummins 20071, 2, 6, 7, 8, 81 |
| • API CJ-4, SN | Mack EO-O Premium Plus |
| • MB 228.31 | MAN M3575 |
| • Volvo VDS-4 | CAT ECF-3, ECF-2, ECF-1-a |
| • Renault RLD-3 | Detroit Diesel 93K218 |
| • MTU Category Type 2.1 | Deutz DQC III-10 LA |

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TYPICAL CHARACTERISTICS:

SAE Viscosity Grade	15w40
Specific Gravity @ 15°C	0.885
Kinematic Viscosity @ 100°C	14.5cSt
Kinematic Viscosity @ 40°C	109.2cSt
Viscosity Index	136
Pour Point °C	-39
Flashpoint °C	>200
Cold Crank Viscosity @ -20°C	7,000cP max
Noack volatility %	13.0 max
Sulphated ash %	1.0 max
Sulphur %	0.4% max
Phosphorus%	0.12% max
TBN mg KOH/gm	9.5

STORAGE:

All packages should be stored indoors at ambient temperatures in a well-ventilated area. Keep containers tightly closed when not in use. Where storing outside is unavoidable, barrels should be laid horizontally to avoid water ingress and to protect the product labelling and marking. Clean up any spilled material immediately. Take all necessary precautions against accidental spillage into soil or water.

HEALTH AND SAFETY AND ENVIRONMENT:

Health and Safety and Environment information is provided for this product in Millers Oils Material Safety Data Sheet 7770. This gives details of any potential hazards, necessary precautions, first aid measures, environmental effects and disposal procedures.

All information relates only to the specific products designated herewith and may not be valid for this material if used in conjunction with any other materials or in any other process.

For Technical assistance call +44 (0) 1484 475060 or email technical@millersoils.co.uk

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