



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

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## PRODUCT DATA SHEET

### FLEETMASTER ACEA E4 5W/30

#### PRODUCT DESCRIPTION:

**Hi-Tec Fleetmaster ACEA E4 5W/30** is a full synthetic heavy duty diesel engine oil designed specifically to meet the UHPD (Ultra High Performance Diesel) lubricant category for vehicles running under severe operating conditions, such as those requiring significantly extended oil drain intervals.

**Hi-Tec Fleetmaster ACEA E4 5W/30** is formulated to meet the highest European performance specifications for vehicles without particulate filters, as well as for some vehicles fitted with SCR (Selective Catalytic Reduction) NOx and EGR (Exhaust Gas Recirculation) systems. It is also suitable for use in diesel engines meeting Euro I, II, III, IV, V and the proposed VI emission requirements.

#### BENEFITS of using **Hi-Tec Fleetmaster ACEA E4 5W/30** include:

- Extension of oil change intervals.
- Excellent protection across a wide operational temperature profile.
- Outstanding internal friction reduction and increased wear protection due to increased oil durability even with this lighter viscosity grade.
- Exhaust system protection due to enhanced phosphorus retention.
- Significant savings on fuel operational costs due to increased fuel economy.

#### APPLICATIONS:

**Hi-Tec Fleetmaster ACEA E4 5W/30** is designed specifically for extended service intervals in UHPD heavy duty trucks as recommended by OEMs such as Caterpillar, Deutz, Iveco, Mack, MAN, Mercedes Benz, MTU/Detroit Diesel, Renault and Volvo.

#### PERFORMANCE STANDARDS:

ACEA 2010: E4 -08 Issue 2

ACEA 2010: E7 -08 Issue 2

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

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

OEM's:

CAT ECF-2

Iveco 18-1804 FE

M.A.N. 3277

MTU Type 3

Volvo VDS-3

Deutz DQC IV-05

Mack EO-M Plus

Mercedes Benz MB 228.5

Renault RXD, RLD-2



AUSTRALIAN FAMILY OWNED SINCE 1989





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<u>PROPERTY</u>	<u>ASTM METHOD</u>	<u>RESULTS</u>
SAE Viscosity	SAE J300	5W/30
Specific Gravity kg/L	ASTM D-4052	0.863
Viscosity @ 100 °C	ASTM D-445	11.7
@ 40 °C	ASTM D-445	71
CCS @ -30°C, cP	ASTM D-5293	6260
Viscosity Index	ASTM D-2270	160
HTHS Viscosity, cP	ASTM D-4683	3.6
Noack Volatility	ASTM D-5800	12.0
Flash Point °C	ASTM D-92	220
Pour Point °C	ASTM D-97	-48
Sulfated Ash, % w/w	ASTM D-874	1.34
TBN, mgKOH/g	ASTM D-2896	12.5
Phosphorus, % w/w	ICP	0.075
Sulphur, % w/w	ICP	0.23
Zinc, % w/w	ICP	0.081
Calcium, % w/w	ICP	0.346
Magnesium, % w/w	ICP	0.008

**AVAILABLE IN:** Bulk, 200 Litres, 20 Litres

"The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes".

**Item Code:** HI2-2252

**Effective:** March 2013

**Expires:** March 2015

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