



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 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 especially in the presence of biodiesel.
- 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.
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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, Cummins, Deutz, Iveco, Mack, MAN, Mercedes Benz, MTU/Detroit Diesel, Renault, Scania and Volvo.

PERFORMANCE STANDARDS:

ACEA: E4 -12 (2012), E7 -12 (2012).

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

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

OEM's: CAT ECF-2.

Cummins CES 20076, 20078.

Deutz DQC IV-10.

Global DHD-1.

Iveco 18-1804 FE.

JASO DH-1.

Mack EO-N Premium Plus, EO-M Plus.

M.A.N. 3277, 3377.

Mercedes Benz MB 228.5.

MTU Type 3.

Renault RXD, RLD-2.

Scania LDF.

Volvo VDS-3.



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

"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: HI2-2252

Effective: August 2015

Expires: August 2017

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