



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

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## PRODUCT DATA SHEET

### FLEETMASTER CK-4 15W/40

#### PRODUCT DESCRIPTION

**Hi-Tec Fleetmaster CK-4 15W/40** is an API CK-4 heavy duty diesel engine oil formulated using the latest synthetic technology base oils for use in severe duty high speed four stroke diesel engines with DPF, cooled EGR and other exhaust treatment systems, both turbo-charged and normally aspirated. It is designed to offer greater durability and protection due to its increased shear stability and reduced oxidative thickening, abrasive wear, bore polishing and piston deposits. **Hi-Tec Fleetmaster CK-4 15W/40** can be used in 2017 model vehicles as well as those requiring Euro VI emission standards, and can replace CJ-4 engine oils. It is backwards compatible with most applications where engine manufacturers currently recommend CJ-4, CI-4 Plus, CI-4 and CH-4 performance specifications.

#### BENEFITS

- Increased shear stability
- Reduced oxidative thickening for increased viscosity stability
- Lower piston deposits
- Protection against particulate filter blocking and soot-related viscosity increase
- Increased wear protection due to less abrasive wear and bore polishing
- Better fuel economy
- Increased resistance to aeration
- Protection against catalyst poisoning
- Higher levels of protection and performance compared to API CJ-4

#### APPLICATIONS

- 2017 model vehicles as well as those requiring Euro VI emission standards
- Backward compatible with engines requiring CJ-4, CI-4 Plus, CI-4 and CH-4

#### SPECIFICATIONS:

**Hi-Tec Fleetmaster CK-4 15W/40** meets or exceeds the following demanding performance requirements:

API: CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4

ACEA: E7-16, E9-16  
Euro Emission Standards: I, II, III, IV, V, VI

OEM's: CAT ECF-3, ECF-2, ECF-1-A  
Cummins CES 20086  
Ford WSS-M2C171-F1  
Detroit Diesel DDC93K222  
Deutz DQC III-10 LA  
JASO DH-2  
Mack EOS-4.5  
MAN 3275  
MAN 3575  
MB 228.31  
MTU 2.1  
Renault VI RLD-4  
Volvo VDS 4.5

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



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### TYPICAL PROPERTIES

Property	ASTM Method	Typical Results
Density kg/m <sup>3</sup>	D1298	0.876
Viscosity @ 100 °C	D445	14.7
@ 40 °C	D445	109.5
CCS @-20C, cP	D5293	5258
Viscosity Index	D2270	138
HTHS Viscosity, cP	D4683	4.12
Flash PointCOC°	D92	225
Pour Point°C	D97	-38
Sulphated Ash, % w/w	D874	0.91
TBN, mgKOH/g	D2896	9.9
Phosphorus, % w/w	D4951	0.11
Sulphur, % w/w	D4951	0.3
Zinc, % w/w	ICP	0.12
Calcium, % w/w	ICP	0.23

**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](http://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](http://www.hi-tecoils.com.au)"

**Item code:** HI2-2206

**Effective:** May 2017

**Expires:** May 2019

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