



## PRODUCT DATA SHEET

### FLEETMASTER SEMI SYN CJ-4 10W/40

#### PRODUCT DESCRIPTION

**Hi-Tec Fleetmaster Semi Syn CJ-4 10W/40** is formulated using the latest technology mineral and synthetic base oils for use in heavy duty diesel engines operating in the harsh Australia conditions. The very high dispersant, anti-wear formulation exceeds the requirements of API CJ-4. This lubricant is specifically designed to meet the requirements of the latest US07 emission standards for engines with exhaust treatment systems especially DPF (diesel particulate filters) and cooled EGR (exhaust gas recirculation) using low sulphur fuels

**Hi-Tec Fleetmaster Semi Syn CJ-4 10W/40** exceeds many international specifications for top performance and long service life in four stroke turbo-charged and normally aspirated diesel engines. It assists in reducing soot thickening in the latest US low emission engines.

**Hi-Tec Fleetmaster Semi Syn CJ-4 10W/40** is uniquely formulated to promote the highest standards of engine cleanliness in modern highly stressed turbocharged engines. It very effectively controls and inhibits bore polishing tendencies, high oil consumption rates and premature wear.

The excellent performance of **Hi-Tec Fleetmaster Semi Syn CJ-4 10W/40** minimises the formation of damaging deposits in ring grooves and land areas, particularly the quench top ring belt areas of 'tight piston' engines.

The special balance of over-based alkaline reserve additives (TBN components) in **Hi-Tec Fleetmaster Semi Syn CJ-4 10W/40** effectively neutralises acidic combustion by-products caused by the sulphur content in fuel (especially diesel fuel). This helps reduce the corrosion of critical engine components and the otherwise catastrophic effects these by-products have on oil.

#### SPECIFICATIONS:

**Hi-Tec Fleetmaster Semi Syn CJ-4 10W/40** meets the requirements of the following specifications:

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

API: SN, SM, SL

ACEA: E9-12, E9-08 Issue 2 (2010)

Euro Emission requirements: I, II, III, IV, V, and VI

OEM's:	CAT ECF-3, ECF-2, ECF-1-A	Cummins CES 20081
	Detroit Diesel PGOS 93K218	Deutz DQC III-10 LA
	Mack EO-O Premium Plus	Mercedes Benz MB 228.31
	M.A.N. M3575	MTU Type 2.1
	Renault RVI RLD-3	Volvo VDS-4
	Suitable for Detroit Diesel	



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

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

Ph: 1300 796 009 | Fax: (02) 9604 1611 | Email: hitecoils@hi-tecoils.com.au

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

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### TYPICAL PROPERTIES

Property	ASTM Method	Results
SAE Viscosity	SAE J300	10W/40
Density kg/m <sup>3</sup>	ASTM D-1298	0.861
Viscosity @ 100 °C	ASTM D-445	14.25
@ 40 °C	ASTM D-445	90.7
CCS @ -25C, cP	ASTM D-5293	6460
Viscosity Index	ASTM D-2270	155
HTHS Viscosity, cP	ASTM D-4683	4.19
Flash Point COC °C	ASTM D-92	225
Pour Point °C	ASTM D-97	-42
Sulphated Ash, % w/w	ASTM D-874	1.00
TBN, mg KOH/g	ASTM D-2896	8.5
Phosphorus, % w/w	ASTM D-4951	0.11
Zinc, % w/w	ICP	0.12
Calcium, % w/w	ICP	0.24

**Available in:** Bulk, 200 Litres, 20 Litres, 10 Litres, 5 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)"

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