



DIESEL ENGINE OILS



FLEETMASTER CJ-4 15W/40

(Also known as FLEETMASTER EXTREME CJ-4 15W/40)

PRODUCT DESCRIPTION:

Hi-Tec Fleetmaster CJ-4 15W/40 is formulated using the latest technology base oils for use in heavy duty diesel engines operating in the harsh Australian 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 low emission US engines with cooled EGR, as well as Caterpillar ACERT engines and Volvo engines requiring the latest VDS-4 specification.

Hi-Tec Fleetmaster CJ-4 15W/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 CJ-4 15W/40 is uniquely formulated to promote the highest standards of engine cleanliness in modern highly stressed turbo-charged engines. It very effectively controls and inhibits bore polishing tendencies, high oil consumption rates and premature wear.

The excellent performance of **Hi-Tec Fleetmaster CJ-4 15W/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 CJ-4 15W/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 CJ-4 15W/40 meets or exceeds the following demanding performance requirements:

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

API: SN, SM, SL

ACEA: E9-12, E7-12

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

OEMs:

CAT ECF-3, ECF-2, ECF-1-A
Detroit Diesel PGOS 93K218
Mack EO-O Premium Plus
M.A.N. M3575
Renault RVI RLD-3

Cummins CES 20081
Deutz DQC III-10 LA
Mercedes Benz MB 228.31
MTU Type 2.1
Volvo VDS-4

Allison C4 Transmission Test Demonstration Program
JASO DH-2 Demonstration Program
Suitable for Detroit Diesel



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OEM APPROVALS:

Hi-Tec Fleetmaster CJ-4 15W/40 has the following OEM approvals:

Cummins CES 20081

Mack EO-O Premium Plus

Renault RVI RLD-3

Volvo VDS-4

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

TYPICAL PROPERTIES

Property	ASTM Method	Typical Results
Density (kg/m ³)	D-1298	0.876
Viscosity (cSt) @ 100 °C	D-445	14.8
@ 40 °C	D-445	116
CCS (cP) @ -20 °C	D-5293	5820
Viscosity Index	D-2270	132
HTHS (cP)	D-4683	4.05
Flash Point COC (°C)	D-92	235
Pour Point (°C)	D-97	-33
Sulphated Ash (% wt)	D-874	1.0
TBN (mg KOH/g)	D-2896	9.4
Phosphorus (% wt)	D-4951	0.115
Sulphur (% wt)	D-4951	0.3
Zinc (% wt)	ICP	0.127
Calcium (% wt)	ICP	0.121
Magnesium (% wt)	ICP	0.083