



Technical Specification

FOCUS ENGINE EXTENDED CI4

Product Description:

FOCUS ENGINE EXTENDED CI4 is made of extremely high performance diesel engine oil that prolongs engine life in the most severe conditions. Developed for use with super high performance diesel (SHPD), FOCUS ENGINE EXTENDED CI4 meets and exceeds the API CI-4 service category and is strongly recommended for use with engines that are highly turbo-charged with or without exhaust gas recirculation (EGR) system.

The advanced formula of this engine oil has been tested and proven to give exceptionally clean performance and outstanding protection in the engines of Mercedes Benz, MAN, Volvo, Mack, Cummins and other similar heavy duty engines. In addition, testing with these major equipment manufacturers' diesel engines have shown to give extended oil change interval of up to 80,000 kilometers.

Application:

FOCUS ENGINE EXTENDED CI4 is an all purpose and multi-grade oil that suits heavy duty diesel and gasoline engines. FOCUS ENGINE EXTENDED CI4 is recommended whenever engine manufacturers call for the use of engine oils that meet API Service Category of CI-4, CH-4, CG-4, CF or SL; or any of the combination.

Cost-Saving Benefits:

- Extended oil change interval
- Simplifies inventory
- Assist in prolongation of engine life span
- Exceptionally clean burn and reduced soot and sludge in system
- Outstanding wear and tear protection
- Natural shear stability from superior base stock
- Excellent corrosion resistance

Figures given are typical of current production and conform to specification. May be subjected to minor variation.
FOCUS SOLUTIONS PTE. LTD.
Co. Registration Number: 201206049W

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FOCUS ENGINE EXTENDED CI4

Typical Characteristics

Item	Characteristics	Test Method ASTM D
SAE Viscosity Grade	15W40	-
API Service Category	CI-4 / SL	
Appearance	Bright and Clear	Visual
Colour	L3.5	1500
Density @30 degrees C	0.885	4052
Kinematic Viscosity @ 40 degrees C	111.0	445
Kinematic Viscosity @ 100 degrees C	14.90	445
Viscosity Index	139	2270
Flash Point	230 degrees C	92
Pour Point	Minus 30 degrees C	97
Total Base Number	9.5	2896

Exceeds the following specifications and approvals:

- API CI-4 / CH-4 / CG-4 / CF-4 / CF / SL
- ACEA A3/ B4/ E3/ E5/ E7
- CUMMINS CES 20071/ 20072/ 20076/ 20077/ 20078/ 20081
- DETRIOT DIESEL 93K215
- MB 228.3/ 229.1
- MAN M3275, MAN 270/271
- MACK EO-M, EO-M PLUS
- MTU TYPE II Quality
- VW 501/ 505 Quality
- VOLVO VDS-3
- CATERPILLAR ECF-1
- ZF TE-ML-04C

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