

Product Information

RING FREE XHD PLUS 15W/40

Description

Ring Free XHD Plus 15W/40 is a next generation heavy duty diesel engine oil. Specifically designed for low emission Euro 3 and Euro 4 engines, running under arduous conditions of extended oil drain and high workload.

Ring Free XHD Plus 15W/40 incorporates advanced technology additive systems to meet ACEA E7 and exceed the severe lubrication requirements of Europe, Japan and North American engine builders.

Key Features

- Outstanding Soot Handling
- Enhanced Sludge Dispersancy
- High levels of Piston Cleanliness
- Improved Anti-wear protection

Applications

Recommended for highly rated turbo-charged engines in heavy-duty commercial vehicles such as Cummins, Daimler Chrysler, DAF, Isuzu, Hino, Mack, MAN, Mitsubishi, MTU, Nissan, RVI, SCANIA and Volvo. Ring Free XHD Plus 15W/40 can also be used in the latest diesel units fitted in agricultural, construction and plant equipment. Manufacturers include John Deere, Massey Ferguson, Valtra, Komatsu, Caterpillar, Case International, etc.

XHD Plus is suitable for engines without particulate filters and for most EGR engines and most engines fitted with SCR NOX reduction systems. Consult dealer if in doubt.

Performance Levels

ACEA E7 / E5 / E3
 API CI-4/SL
 Caterpillar ECF-1
 Cummins CES 20071 / 72
 Cummins CES 20076 / 77 / 78
 Global DHD-1
 MB 228.3
 MAN M3275
 MACK EO-M Plus
 MTU Type II quality
 Volvo VDS3
 Allison C4 quality

Physical Characteristics

Density	0.89
Kinematic Viscosity at 100 °C (cSt)	14.5
Kinematic Viscosity at 40 °C (cSt)	108
Viscosity Index	130
Closed Flash Point (°C)	190
Sulphated Ash (%)	1.25
Pour Point (°C)	-30
TBN mg/ KOH / g	10.6

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