

## Product Information

# RING FREE V.S. PLUS 15W/40

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## Description

Ring Free V.S. Plus 15W/40 is an advanced technology heavy-duty diesel engine oil, incorporating the latest additive chemistry to meet and exceed current global and OEM specifications.

Ring Free V.S. Plus 15W/40 is especially designed to meet the most severe lubrication requirements of North American and European heavy-duty diesel engines and is approved to Volvo's VDS-3 performance category.

This grade provides high levels of engine cleanliness, promoting efficient operation and improved fuel economy, as well as ensuring critical components are protected from wear under the most arduous conditions, including extended oil drain regimes. Powerful, innovative additive chemistry controls soot thickening and soot induced wear, making this grade suitable for use in Euro 2, Euro 3 and Euro 4 engines (including EGR versions).

## Applications

Recommended for highly rated turbo-charged engines in heavy-duty commercial vehicles such as Cummins, Daimler Chrysler, DAF, Mack, MAN, MTU, SCANIA and Volvo.

Ring Free V.S. 15W/40 can also be used in construction equipment, including Volvo, Caterpillar, etc. where an oil of this type and specification is called for.

## Key Features

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

## Performance Levels

ACEA E7 / A3 / B4 - 08  
 API CI-4/SL  
 Caterpillar ECF-1  
 Cummins CES 20071 / 72  
 Cummins CES 20076 / 77 / 78 Approved  
 Global DHD-1  
 MB 228.3 Approved  
 MAN M3275  
 MACK EO-M Plus  
 RVI RLD2  
 MTU Type II quality Approved  
 Volvo VDS3 (Approved 09-1039)  
 Allison C4 quality  
 Has demonstrated performance against JASO DH-1

## Physical Characteristics

Density	0.888
Kinematic Viscosity at 100 °C (cSt)	14.4
Kinematic Viscosity at 40 °C (cSt)	103
Viscosity Index	140
Closed Flash Point (°C)	192
Sulphated Ash (%)	1.2
Pour Point (°C)	-30
TBN mg/ KOH / g	10.0

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