

SPX SUPER HD ZF

ZINC-FREE ENGINE OIL FOR MARINE, RAILROAD, & STATIONARY DIESEL ENGINES

SPX Super HD ZF is a superior quality low ash engine oil designed for use in marine diesel engines, railroad locomotive diesel engines, and other similarly designed stationary engines. It is designed to protect silver bearings with a non-zinc and non-chlorine formulation. SPX Super HD ZF contains a high quality detergent package to minimize sludge and provide deposit and particulate control. SPX Super HD ZF is optimized for use with low or ultra-low sulfur diesel fuel and is compatible with exhaust after treatment technologies.

Advantages

- Low ash formulation
- Superior oxidation resistance and thermal stability
- Excellent wear protection
- Compatibility with silver bearings
- Protects against rust and corrosion

Applications

- Modern marine diesel engines
- Newer, low exhaust emission railroad diesel engines
- Stationary diesel engines that require a zinc-free additive system

Specifications

SPX Super HD ZF is recommended for use with the following OEMs and specifications:

- LMOA Generation 7
- Electro-Motive Diesel (EMD)
- General Electric (GE)
- EPA Tier IV



Heavy Duty



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TYPICAL PROPERTIES

SAE Grade	40
Specific Gravity @ 60°F	0.888
Density, lbs/gal @ 60°F	7.39
Color, ASTM D1500	6.5
Flash Point (COC), °C (°F)	268(515)
Pour Point, °C (°F)	-9(16)
Viscosity	
cSt @ 40°C	141
cSt @ 100°C	14.5
Viscosity Index	101
Total Base Number (TBN), ASTM D2896	11
Calcium, wt%	0.3340
Chlorine, wt%	<0.0005
Zinc, wt%	<0.0005

Minor variations in typical properties data are to be expected in normal manufacturing.

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).



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