

EMD/TRANS ENGINE OIL

MARINE & RAILROAD | [HVI BASE+ TBN 9]

Product Description

Outstanding high-dispersancy crankcase oil with reserve alkalinity for railroad and marine diesel engines. Compounded from HVI Base (Paraffinic) oils. This formulation includes detergent, dispersant, antiwear/EP agent, antioxidant, corrosion inhibitor, and foam suppressant additives. The additive system does NOT contain zinc-compounded derivatives and is classified as zinc-free with less than 10 ppm zinc in the final formulation. It is also non-chlorinated.

Applications

Recommended for use in Electro-Motive Division of General Motors Corporation (EMD), Caterpillar, and General Electric Generation IV, as well as LMOA Generation V and VI engines. Suitable for diesel engines operating on low-sulfur distillate fuel with a sulfated ash level of 1.0%. Meets API Service Classification Level CD and is compatible with all two- and four-cycle, turbocharged and naturally aspirated railroad diesel engines using distillate fuels where zinc-free additive systems and HVI base oils are preferred. Also recommended for EMD and GE engines used in marine and stationary power generation systems with similar lubrication requirements.

Typical Properties

Property	30	40	20W-40
Viscosity @ 40°C (cSt)	111	152	125
Viscosity @ 100°C (cSt)	12.1	14.8	14.5
Viscosity Index	97	96	120
Flash Point °F (COC)	435	450	435
Pour Point °F (°C)	-5 (-21)	0 (-18)	-15 (-26)
TBN (ASTM D2896)	9	9	9
Sulfated Ash %wt	1.0	1.0	1.0
Zinc Content (ppm)	<10	<10	<10
Chlorine (ppm)	<50	<50	<50
API Gravity @ 60°F	28.3	27.2	29.6
Density @ 60°F (lbs/gal)	7.373	7.124	7.314

*The values shown are typical of current production. Some are controlled in the manufacturing process while others are not. All of them may vary within tolerable ranges.

