

EMD/TRANS 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 | 20W-40 | 40 |
|-------------------------|--------|------|
| Viscosity @ 40°C (cSt) | 126 | 182 |
| Viscosity @ 100°C (cSt) | 14.8 | 14.6 |
| Viscosity Index | 120 | 73 |
| Flash Point °F (COC) | 455 | 465 |
| Pour Point °F | -5 | 0 |
| TBN (ASTM D2896) | 17 | 17 |
| Sulfated Ash %wt | 1.7 | 1.7 |
| Zinc Content (ppm) | <10 | <10 |
| API Gravity @ 60°F | 26.5 | 24.0 |

^{*}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.