

EMD/TRANS ENGINE OIL

MARINE/RAILROAD & INDUSTRIAL | [13 TBN]

Product Description

Outstanding high-dispersancy, high-alkalinity crankcase oil for railroad and marine diesel engines. SAE Grades 30 and 40 are compounded from MVI Base (Mixed-Base/Paraffinic-Naphthenic) Oils to reduce hard carbon deposit formation in the ring belt area and minimize port blocking in 2-stroke cycle diesel engines. Multigrade 20W-40 is formulated with a shear stable VI Improver to enhance oil flow and lubrication at lower temperatures. All SAE grades include detergent, dispersant, anti-wear, antioxidant, corrosion inhibitor, and foam suppressant additives. The additive system is free of zinc-compound derivatives.

Applications

Recommended for use in Electro-Motive Division of General Motors Corporation (EMD), Caterpillar, General Electric, and other diesel engines operating on higher-than-normal sulfur distillate fuel where sulfated ash of +1% is acceptable. The SAE straight grades are highly recommended for medium-speed industrial engines such as Fairbanks-Morse opposed-piston (OP) engines, where a medium viscosity index oil is preferred. In many marine applications, this oil can be used in both main propulsion engines and auxiliaries. Meets API Service Classification Level CF and the obsolete CD.

Typical Properties

Property	30	40	20W-40
Viscosity @ 40°C (cSt)	135	180	126
Viscosity @ 100°C (cSt)	12.1	14.5	14.8
Viscosity Index	76	77	120
Flash Point °F (COC)	465	465	455
Pour Point °F	-5	0	-5
TBN (ASTM D2896)	13	13	13
Sulfated Ash %wt	1.5	1.5	1.5
Zinc Content (ppm)	<10	<10	<10
API Gravity @ 60°F	27	24	26

*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.