

EMD/TRANS SAE 20W-40 & SAE 40 ENGINE OILS

FOR MARINE & INDUSTRIAL APPLICATIONS | 17 TBN / ASTM D-2896

Product Description

The multigrade engine oil is a high-dispersancy, high-alkalinity crankcase oil for marine and diesel engines, compounded from paraffinic-based mineral oil using a very shear-stable dispersant viscosity improver. The SAE 40 grade is manufactured from a blend of solvent-refined paraffinic and naphthenic base oils. Both grades contain detergent, dispersant, anti-wear, antioxidant, corrosion inhibitor, and foam suppressant additives. The additives used do NOT contain zinc-compound derivatives.

Applications

The SAE 20W-40 grade is suggested for service where wide temperature characteristics are desired in multigrade oils, suitable for Electro-Motive Division of General Motors Corporation (EMD), Caterpillar, and other diesel engines operating on higher-than-normal sulfur distillate fuel where sulfated ash of +1% is acceptable. Also highly recommended for medium-speed industrial engines where multigrade oil is the preferred product.

Meets API Service Classification Level CD. The SAE 40 grade meets API CD and CD-II, and the performance requirements for the Caterpillar TO-2 specification.

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.

