



Shield X

Synthetic Blend Plus Heavy-Duty Engine Oils
SAE 20W-50 API CI-4/SL, CI-4 Plus

Product Description

Shield X Synthetic Blend Heavy-Duty Engine Oil, SAE 20W-50, API CI-4/SL, CI-4 Plus is a parasynthetic crankcase lubricant for use in modern diesel engines. Formulated with a blend of synthetic and conventional base oils as well as a premium quality additive package, this oil exhibits excellent detergent, dispersant, anti-wear, anti-corrosion, anti-oxidant, and anti-foaming properties.

Typical Properties*

SAE J300 Viscosity Grade	20W-50
<u>Appearance, Visual</u>	<u>Amber, Transparent, Liquid</u>
<u>Viscosity @ 40°C, cSt, ASTM D445</u>	<u>154.75</u>
<u>Viscosity @ 100°C, cSt, ASTM D445</u>	<u>18.5</u>
<u>Viscosity Index, ASTM D2270</u>	<u>135</u>
<u>CCS Apparent Viscosity, cP, ASTM D5293</u>	<u>7,000@-15°C</u>
<u>Flash Point, °C, ASTM D92</u>	<u>225</u>
<u>Pour Point, °C, ASTM D97</u>	<u>-30</u>
<u>Total Base Number, mg KOH/g, ASTM D2896</u>	<u>10</u>

*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

Exceeds Performance Requirements

API CJ-4, CI-4 Plus, CI-4, CH-4, CF-4, CF-2, CF
API SL, SJ, SG, SF
ACEA E7
Cummins CES 20078
MB 228.1, 229.1
MAN 271
MTU Type 1
Volvo VDS-2
Mack EO-M Plus
Renault Truck RD/RD-2
CAT ECF-1-a
ZF TE-ML 07C