



Borealis Heavy Duty
Synthetic Blend Heavy-Duty Engine Oils SAE
15W-40 & 20W-50; API CI-4/SL, CI-4 Plus

Product Description

Borealis Synthetic Blend Heavy-Duty Engine Oil, SAE 15W-40 & 20W-50, API CI-4/SL, CI-4 Plus is a parasyntetic 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	5W-40	20W-50
Appearance, Visual	Amber, Transparent, Liquid	
Viscosity @ 40°C, cSt, ASTM D445	103.40	154.75
Viscosity @ 100°C, cSt, ASTM D445	14.5	18.5
Viscosity Index, ASTM D2270	145	135
CCS Apparent Viscosity, cP, ASTM D5293	5,000@-20°C	7,000@-15°C
Flash Point, °C, ASTM D92	220	235
Pour Point, °C, ASTM D97	-35	-30
Total Base Number, mg KOH/g, ASTM D2896	10	10

*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 CI-4 Plus, CI-4, CH-4, CF-4, CF-2, CF
Cummins CES 20078
MTU Type 1
Renault Truck RD/RD-2

API SL, SJ, SG, SF
MB 228.1, 229.1
Volvo VDS-2 CAT
ECF-1-a

ACEA E7
MAN 271
Mack EO-M Plus ZF
TE-ML 07C

Product Code

SAE 15W-40 – SXF210
SAE 20W-50 – SXF211

