



**BLACK BEAR SYNTHETIC SUPREME 5W-40 CK-4 MOTOR OIL**

**OVERVIEW**

BLACK BEAR ULTRA PREMIUM PLUS SAE 5W-40 CK-4 is formulated to meet or exceed the latest API diesel engine oil specifications as well as the warranty and performance requirements of most diesel engine manufacturers. Designed for superior cold weather protection and use in model year 2017 or newer heavy-duty diesel engines in high output service, it is fully backwards compatible to engines requiring any API CJ service class.

**FEATURES & BENEFITS**

BLACK BEAR ULTRA PREMIUM PLUS SAE 5W-40 CK-4 provides robust low and high temperature wear protection, increased oxidation stability and excellent shear stability over any previous API category.

**APPLICATIONS**

BLACK BEAR ULTRA PREMIUM PLUS SAE 5W-40 CK-4 can be used with complete success in over-the-road diesel trucks, off-highway diesel equipment, farm tractors, stationary equipment, and any vehicle or diesel engine where an API CK-4 or earlier C class oil is specified.

**SPECIFICATIONS**

API CK-4, CJ-4, CI-4, CI-4 Plus, CH-4, CG-4, CF-4, CF/SN • ACEA E9-16, E9-08 & E7-04 • CAT ECF-1a, ECF-2, ECF-3 & TO-2 • Cummins CES 20086, 20081, 20077 & 20076 • Detroit Diesel DDC 93K222, 93K218, 93K214, 7SE270, PG PGOS • Deutz DQC III-10 LA • Ford WSS-M2C171-F1 • JASO DH-2 • Mack EOS-4.5, EO-O Premium Plus, EO-M, EO-N Premium Plus • MB 228.31 • MAN 3575 • MTU MTL 5044 Type 2.1 • Renault VI RLD-4, RLD-3 • Volvo VDS-4.5, VDS-4, VDS-3, VDS-2

**TYPICAL PROPERTIES**

<b>Product Code</b>	<b>3303</b>
CCS, cP (@-20 °C)	6260
Viscosity, cSt @ 100 °C	14.4
Viscosity, cSt @ 40 °C	88.7
Viscosity Index	169
Pour Point, °C	-42
Sulfated Ash, Wt. (%)	1.0
Calcium, Wt. (%)	.082
Phosphorous, Wt. (%)	.115
Magnesium, Wt. (%)	.116
Zinc, Wt. (%)	.127
Sulfur, Wt. (%)	.300
Nitrogen, Wt. (%)	.140
Total Base No., (D2896)	11.0
Flash Point, °C	229
HTHS, Viscosity cP (D4683)	3.9
NOACK % loss (D5300)	12