



# Performance Plus Oils and Lubricants

PERFORMANCE UNDER THE MOST EXTREME CONDITIONS.

## HEAVY DUTY DIESEL FULL SYNTHETIC ENGINE OIL

**PERFORMANCE PLUS® Heavy Duty Diesel Full Synthetic Engine Oil** is specially designed to provide outstanding protection and performance. Formulated using synthetic technology; it delivers improved fuel economy (up to 1.6%\*), extended drain intervals, superior wear protection and oxidation and deposit control. Additionally, it surpasses the latest heavy duty OEM (Original Equipment Manufacturers) requirements and is approved for use with Ultra Low and Low Sulphur Diesel (ULSD & LSD) fuels and for use in Caterpillar® engines using ACERT technology as well as all engines equipped with emission controls systems (EGR) and post treatment systems (DPF or DOC). Performance Plus Full Synthetic 5W-40 CK-4/SN is engineered to provide outstanding high and low-temperature protection, superior wear protection and cleanliness, and enhanced friction reduction.

**Performance Plus® Heavy Duty Diesel Full Synthetic Engine Oil** meets, exceeds, or carries the approvals to match the performance requirements of the following: CK-4, CJ-4, CI-4 Plus, CI-4, and CH-4; as well as SN, SM, and ACEA E9, E7, E4, E2, CAT ECF-3, ECF-2, ECF-1-a; Chrysler/Fiat MS-10902; CID A-A-52306; MIL-PRF-2104G; Cummins CES 20081, 20077, 20076, 20086; Detroit Diesel 93K218, 93K215, 93K214, and 93K222, Ford WSS-M2C171-E & WSS-M2C171-F1; Global DHD-1; JASO DH-2; Mack EO-O Premium Plus, EO-N Premium Plus 03, EO-M Plus, EOS-4.5; MAN 3575, 3275, and 270; Mercedes 228.3 & 228.31; MTU 2.1, Type I, and Type II; Renault RLD-4; Volvo VDS-4.5, VDS-4, VDS-3, and VDS-2; and is suitable for use where the Allison C-4 approval is desired.

### PERFORMANCE PLUS PROPERTIES

SAE Viscosity Grade	5W-40
API Service Category	CK-4 / SN
ILSAC Specification	-
Kinematic Viscosity cSt @ 40°C	87.8
cSt @ 100°C	14.8
Viscosity Index	177
CCS Viscosity cP @ -30°C	6,500
MRV Viscosity cP @ -35°C	24,000
Brookfield Viscosity cP @ -30°C	N/A
Copper Corrosion	N/A
TBN	10.0
Evaporative Loss, NOACK, wt%	12
Specific Gravity 15.6°C (60°F)	0.857
Flash Point, °C (°F)	222 (432)
Pour Point, °C (°F)	-45 (-49)
Color (ASTM)	2.5
Sulfated Ash, wt%	0.99

**For additional questions, please contact your Performance Plus® Products Sales Representative.**

Note: Values shown above are representative of current production and may vary within modest ranges. Rev. 10/18