

PURUS® SYNTHETIC SAE 5W-30 AND 5W-40 API CK-4 ENGINE OILS

Manufactured with highly refined base oils and industry leading additive chemistry

DESCRIPTION: PURUS® Synthetic SAE 5W-30 and SAE 5W-40 API CK-4 Engine Oils are fully formulated for use in high-speed four-stroke cycle premium diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. These oils are formulated for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. **PURUS® Synthetic SAE 5W-30 and SAE 5W-40 API CK-4 Diesel Engine Oils** are designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

APPLICATION: PURUS® Synthetic SAE 5W-30 and SAE 5W-40 API CK-4 Diesel Engine Oils

- API CK-4, CJ-4, CI-4 PLUS, CH-4
- API SN (SAE 5W-40)
- Cummins® CES 20086 OEM Approval, CES 20081
- Mack® EOS-4.5, EO-0 Premium Plus, EO-N OEM Approval
- Mercedes Benz 228.31 OEM Approval
- Volvo® VDS-4.5, VDS-4 and VDS-3 OEM Approval
- Detroit™ DFS 93K222 and DFS 93K218 OEM Approval
- Renault® RLD-4, RLD- 3 OEM Approval
- Ford® WSS-M2C171-F1 OEM Approval
- MTU Category 2.1
- PACCAR MX-11, MX-13
- PACCAR PX-7, PX-9 (SAE 5W-40)
- Deutz DQC-111-18 LA
- Caterpillar® ECF-3, ECF-2
- MAN M3775
- ACEA E9, E7

PERFORMANCE BENEFITS: PURUS® Synthetic SAE 5W-30 and SAE 5W-40 API CK-4 Diesel Engine Oils provide enhanced fuel economy which make them ideal for mixed fleet operations. They offer excellent low temperature properties which help with cold starts, outstanding oxidation stability and protect emission control systems.

PURUS[®] SYNTHETIC SAE 5W-30 AND SAE 5W-40 API CK-4 ENGINE OIL

Manufactured with highly refined virgin base oils and licensed additive systems

TYPICAL PROPERTIES*:

		SAE 5W-30	SAE 5W-40
Viscosity			
@ 40° C, cST	D445	69.9	88.7
@ 100° C, cST	D445	11.6	14.4
Viscosity Index	D2270	161	169
Pour Point °C (°F)	D97	-42(-44)	-40 (-40)
Flash Point °C (°F)	D92	218 (424)	238 (460)
TBN	D2896	11	11
Sulfated Ash, wt.%	D874	1.0	1
Cold Crank Simulator, cP	D5293	6330/-30°C	6240/-30°C
Mini-Rotary Viscometer TP1, cP	D4684	21600/-35°C	31300/-35°C



*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

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Product	3/1 Gallon	5 Gallon Pail	6 Gallon Epak Box	55 Gallon Drum	Tote	Bulk
Full Synthetic 5W-30	PHD00554	PHD27047		PHD17047	PHD57047	17047
Full Synthetic 5W-40	PHD00368	PHD27172	PHD67172	PHD17172	PHD57172	17172

Revised 08/2022

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