

## SERVICE PRO® SYNTHETIC BLEND SAE 15W-40 API CK-4/SN ENGINE OIL

Manufactured with highly refined base oils and industry leading additive chemistry

**DESCRIPTION:** SERVICE PRO® SAE 15W-40 API CK-4/SN Synthetic Blend Diesel Engine Oil is formulated for use in high-speed four-stroke cycle 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. This oil is formulated to use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. SERVICE PRO® SAE 15W-40 API CK-4/SN Synthetic Blend Diesel Engine Oil is designed to provide enhance 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.

**APPLICATIONS:** SERVICE PRO® SAE 15W-40 API CK-4/SN Synthetic Blend Diesel Engine Oil meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/ SN and has OEM Approvals for Ford® Specification WSS-M2C171-F1, Cummins® CES 20086, Detroit™ DFS 93K222, Mack® EOS-4.5, Volvo® VDS-4.5 and Renault® RLD-4. It also meets or exceeds requirements for Caterpillar® ECF-3, ECF-2, Cummins® CES 20081, Daimler MB228.31, Detroit™ DFS 93K218, Mack® EO-O Premium Plus, EO-N, MAN M3775, MTU Category 2.1, Renault® RLD-3, Volvo® VDS-4, VDS-3, PACCAR PX and MX and ACEA E9 and ACEA E7. May be used in agricultural diesel engine applications, with standard drain intervals, including J.I. Case, New Holland, Ford, John Deere, Kubota and Mahindra.

- PERFORMANCE BENEFITS:**
- Protects emission control systems
  - Outstanding oxidation stability
  - Synthetic Blend formulation
  - Universal product for mixed fleet operations
  - Excellent low temperature properties helps speed cold starts

TYPICAL PROPERTIES*:	Product Data	Test Method	Typical
	Viscosity	D445	
	@ 40° C, cST		116
	@ 100° C, cST		15.7
	Viscosity Index	D2270	143
	Pour Point °C (°F)	D97	-33 (-27)
	Flash Point °C (°F)	D92	238 (460)
	Sulfated Ash, wt.%	D874	1.0
	Cold Crank Simulator, cP	D5293	5250/-20°C
	Mini-Rotary Viscometer TPI, cP	D4684	19700/-25°C
	High Temperature High Shear, HTHS		
	@150°C, cP	D4683	4.1
	TBN	D2896	10

## SERVICE PRO® SYNTHETIC BLEND SAE 15W-40 API CK-4/SN ENGINE OIL

SAE Grade	15W-40
API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4,/SN	X
Ford® Specification WSS-M2C171-F1	X
Caterpillar® ECF-3, ECF-2	X
Cummins® CES 20086, 20081	X
Mack® EOS-4.5, EO-O Premium Plus and EO-N	X
MAN M3775	X
Volvo® VDS-4.5, VDS-4, VDS-3	X
Detroit™ DFS 93K222 & DFS 93K218	X
Daimler MB228.31	X
MTU Category 2.1	X
Renault® RLD-4, RLD-3	X
ACEA E9-, E7	X
PACCAR PX-7, PX-9, MX-11, MX-13	X



\*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.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all of our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.



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