

PURUS®

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."

PURUS® FULL SYNTHETIC SAE 5W-30 & 5W-40 ENGINE OIL

Manufactured with highly refined base oils and industry leading additive chemistry



DESCRIPTION

PURUS SAE 5W-40 & 5W-30 Full Synthetic API CK-4 Heavy Duty Engine Oils are purpose built and engineered for high speed four-stroke turbo charged diesel engines. Designed for equipment operating in severe conditions, higher and lower operating temperatures, modern lower oil consumption engines, and longer engine manufacturer recommended oil change intervals.

PURUS SAE 5W-40 CK-4 & 5W-30 CK-4 Full Synthetic Heavy Duty Engine Oils are purpose built to meet these industry drivers and challenges:

- Achieve longer fleet engine durability in a range of operating conditions utilizing leading edge lubricant chemistry.
- Reliable exhaust aftertreatment protection for both engine warranty and DPF useful life, yielding reduced maintenance costs.
- Sustainable fuel efficiency and engine oil integrity when operating at longer oil change intervals.
- Meeting Phase II and preparing the fleet for Phase III (2027) Fuel Consumption and Green House Gas Emission compliance.

PERFORMANCE BENEFITS

INDUSTRY DRIVERS	PURUS FULL SYN 5W-40 & 5W-30 SUPPORTING TECHNOLOGY	PURUS BENEFITS PERFORMANCE ADVANTAGES
Engine Durability is at the forefront of OTR and Vocational applications operating in a wide range of working conditions from light to severe duty service. Extended oil change intervals and higher efficiency demands require the engine oil to perform multiple operating responsibilities	PURUS Advanced Additive Technology <ul style="list-style-type: none">• Controls soot related viscosity increase that can cause premature oil filter plugging, soot related wear, decreased fuel efficiency• TBN Retention over extended oil change intervals and higher operating temperatures that neutralizes corrosive combustion acids• Clean engine deposits & oil consumption control• Maintains viscosity and shear stability under high loads and extended oil service intervals	Field Tested and Proven Million Mile Engine and Running <ul style="list-style-type: none">• ODI extended to 50,000 mile• Engine teardown revealed like new parts• Scan QR Code for Million Mile Video
Longer Diesel Aftertreatment Warranty and Useful Life Periods <ul style="list-style-type: none">• Engine manufacturers are challenged with providing engine oils that promote longer engine aftertreatment useful life which are impacted by engine oil chemistry	PURUS Balanced Additive Anti Clogging DPF Technology <ul style="list-style-type: none">• Balanced additive package with higher Magnesium & Calcium additives vs. some competitive brands with lower Magnesium and higher Calcium additive systems• Industry leader in reducing oil consumption	PURUS Synthetic provides the following benefits <ul style="list-style-type: none">• Balanced additive technology improves Diesel Particulate Filter (DPF) porosity and flow, which reduces clogging & back pressure resulting in decreased fuel use• Longer DPF life results in lower maintenance & less cleaning costs
Sustainable Fuel Efficiency <ul style="list-style-type: none">• Critical to fleets operating with extended ODI and severe service.	PURUS Full Synthetic Stable Viscosity Technology <ul style="list-style-type: none">• Utilization of synergistic oxidation control and soot related viscosity increase additive technology	PURUS Full Synthetic Oils have field tested proof that supports minimal viscosity increase at longer ODI with stable fuel consumption at the engine oil service interval.
Decreased Fuel Consumption and GHG Emissions <ul style="list-style-type: none">• Current Phase II and coming Phase III GHG fuel reduction regulations in 2027 continue to target five engine groups of on highway vehicles to improve fuel efficiency and reduce Green House Gases.	PURUS Synthetic Stable Viscosity <ul style="list-style-type: none">• Stays in grade even at longer oil change intervals to resist viscosity increase and maintain fuel efficiency	Fuel Savings Results <ul style="list-style-type: none">• Maintains from 1% to 3% fuel efficiency depending on application and operating conditions

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APPLICATIONS

PURUS Synthetic SAE 5W-30 & 5W-40 API CK-4 Diesel Engine Oils

OEM Approvals

- Cummins CES 20086
- Detroit Diesel DFS 93K222
- Ford Specification WSS-M2C171-F1
- Mack EOS-4.5
- Renault RLD-4
- Volvo VDS-4.5
- ACEA E9, E7
- Allison TES 439
- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, SN(SAE5W-40)
- Caterpillar ECF-3, ECF-2
- Cummins CES 20081
- Detroit Diesel DFS 93K218
- Deutz DQC III-18 LA
- Global DHD-1
- Mack EO-0 Premium Plus, EO-N
- MAN M3775
- MTU Category 2.1
- PACCAR PX-7, PX-9, MX-11, MX-13
- Renault RLD-3
- Volvo VDS-4, VDS-3



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TYPICAL PROPERTIES*

SAE 5W-30

SAE 5W-40

Viscosity at 40° C, cST	D445	66.9	88.7
Viscosity at 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)
Sulfated Ash, wt.%	D874	1.0	1
Cold Crank Simulator, cP	D5293	6330/-30°C	6240/-30°C
Mini-Rotary Viscometer TPI, cP	D4684	21600/-35°C	31300/-35°C
TBN	D2896	11	11

*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 GAL	5 GAL PAIL	6 GAL EPAK BOX	55 GAL DRUM	TOTE	BULK
Full Synthetic 5W-30	PHD00554	PHD27047	-	PHD17047	PHD57047	17047
Full Synthetic 5W-40	PHD00368	PHD27172	PHD67172	PHD17172	PHD57172	17172