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AMERIGUARD® SYNTHETIC BLEND 10W-30 HEAVY DUTY DIESEL ENGINE OIL



Synthetic Blend Heavy Duty Diesel Engine Oil Heavy Duty Engine Oil

AMERIGUARD® Synthetic Blend 10W-30 CK-4 Heavy Duty Diesel Engine Oil uses the latest technology that provides extra protection, compared to Conventional Oil. It's formulated with a combination of full synthetic and high-quality Group II base oils. You and your vehicles work hard for the important things in life. Trust high-quality AMERIGUARD® Lubricants by Sapp Bros. to protect engines and your investment -- at an excellent value. Our engine oil is formulated to provide the following features and benefits:

- Improved cold temperature performance, extra protection, and some improved fuel economy, compared to Conventional 15W-40 CK-4 grade.
- Extended drain capability.
- Extra wear protection. Our technology delivers up to 53% better wear protection.¹
- Better oxidation and deposit control. It stands up to high heat and stress to protect as well on the last day as it does on the first day. Up to 83% better oxidation control and 63% better deposit control.²
- Meets or exceeds the requirements of OEMs.

¹ Using HD 10W-30 CK-4, compared to Conventional HD 15W-40 CK-4 during on-highway long-haul service. Savings will vary on idle time and other driving conditions of your fleet or vehicle.

² Compared to new limits of API CK-4 requirements.

Applications

- This product and grade is a fuel economy and mixed fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines in which the API CK-4 service categories are recommended. It is formulated for engines operating under severe service and a wide range of cold and hot temperatures.
- It is backward compatible for CJ-4 and older API service categories.
- Approved by or meets requirements of major OEMs such as Cummins, Detroit Diesel, Mack/Volvo, Paccar, Navistar, Caterpillar, and others.

Industry/OEM Specifications

API CK-4	Approved
Ford WSS-M2C171-F1	Approved
ACEA E9, E7, E4, E2	Meets Requirements
API CI-4 Plus, CI-4, CH-4, CG-4, CF-2, CF	Meets Requirements
API CJ-4	Meets Requirements
CAT ECF-3, ECF-2, ECF-1-a	Meets Requirements
CID A-A-52306, MIL-PRF-2104G	Meets Requirements
Cummins 20086	Meets Requirements
Cummins CES 20081, 20077, 20076	Meets Requirements
Detroit Diesel 93K218, 93K215, 93K214	Meets Requirements
Detroit Diesel 93K222	Meets Requirements
Ford WSS-M2C171-E	Meets Requirements
Global DHD-1	Meets Requirements

JASO DH-2	Meets Requirements
Mack EO-O Premium Plus, EO-N Premium Plus 03, EO-M Plus, and prior	Meets Requirements
Mack EOS-4.5	Meets Requirements
MAN 3275, 270	Meets Requirements
MAN 3575	Meets Requirements
MB 228.3, 228.31	Meets Requirements
MTU 2.1	Meets Requirements
MTU Type I, Type II	Meets Requirements
Renault RLD-4	Meets Requirements
Volvo VDS-4, 3, 2	Meets Requirements
Volvo VDS-4.5	Meets Requirements
CAT TO-2	Suitable for use
Allison C-4	Suitable for Use

Typical Properties

Calcium, wt. %	ASTM D5185	0.105
Cold Cranking Simulator at (°C), cP	ASTM D5293	6270 (-25)
Color	ASTM D1500	2.5
Flash Point °C	ASTM D92	220
Flash Point °F	ASTM D92	428
Gravity, °API	ASTM D287	31.39
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	3.5
Magnesium, wt. %	ASTM D5185	0.1
Molybdenum, wt. %	ASTM D5185	0.0066
Nitrogen, wt. %	ASTM D4629	0.105
Noack Volatility, % loss	ASTM D6375	13
Phosphorus, wt. %	ASTM D5185	0.115
Pour Point °C (°F)	ASTM D5950	-39°C (-38°F)
Pumping Viscosity at (°C), cP	ASTM D4684	23,000 (-30)
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8687
Sulfated Ash, wt. %	ASTM D874	0.99
Sulfur, wt. %	ASTM D4951	0.32
TBN, mgKOH/g	ASTM D2896	10
Viscosity @ 100°C cSt	ASTM D445	12.21
Viscosity @ 40°C cSt	ASTM D445	82.06
Viscosity Index	ASTM D2270	149
Zinc, wt. %	ASTM D5185	0.127

Information accurate as of March 3, 2026