

Synthetic HD Arctic Diesel Engine Oil

76® Synthetic HD Arctic Diesel Engine Oil is a full-synthetic, heavy-duty universal fleet engine oil specifically designed for use in on-highway diesel trucks and off-highway diesel equipment operating in arctic climates. It also is recommended for use in gasoline-fueled vehicles and in the hydraulic systems of mobile equipment operating at very low ambient temperatures.

Synthetic HD Arctic meets or exceeds the performance requirements of API Service Categories CH-4 and SJ, as well as major OEM specifications for diesel engine oils.

Applications

- Commercial fleets with diesel- and gasoline-fueled vehicles operating in arctic climates
- Off-highway diesel equipment operating at very low ambient temperatures
- Hydraulic systems of mobile equipment operating at very low ambient temperatures
- Automatic and powershift transmissions operating in cold climates where the OEM specifies an Allison C-4 quality fluid

Synthetic HD Arctic Motor Oil is licensed for:

- API Service CH-4, SJ

Synthetic HD Arctic Motor Oil meets or exceeds the requirements of:

- Cummins CES 20076
- Mack EO-M Plus
- MAN 271
- Mercedes-Benz Sheet 228.1
- Volvo VDS-2
- Diesel engines manufactured by OEMs not listed above, including Detroit Diesel, International (Navistar), John Deere, Hino, Komatsu, Kubota and others
- Allison automatic transmissions in off-highway applications where a C-4 quality fluid is specified

Features/Benefits

- Excellent soot control for protection against abrasive wear and soot-induced oil thickening
- Resists viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Excellent wear protection

**Universal Fleet
Engine Oil For
Arctic Climates**

CONTACT INFORMATION

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1-832-765-2500

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- Protects against rust and bearing corrosion
- Excellent low-temperature pumpability for easier cold starts
- Good resistance to foaming and aeration

Synthetic HD Arctic Diesel Engine Oil

Typical Properties

SAE Grade	0W-30
Specific Gravity @ 60°F	0.848
Density, lbs/gal @ 60°F	7.06
Color, ASTM D1500	2.0
Flash Point (COC), °C (°F)	188 (370)
Pour Point, °C (°F)	-45 (-49)
Viscosity, Kinematic	
cSt @ 40°C	62.0
cSt @ 100°C	11.1
Viscosity Index	174
Cold Cranking Viscosity, cP @ -35°C	5,300
High-Temp/High-Shear Viscosity, cP @ 150°C	3.3
Sulfated Ash, ASTM D874, wt %	1.20
Total Base Number (TBN), ASTM D2896	9.7
Zinc, wt %	0.127

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.