



PERFORMANCE PLUS OILS AND LUBRICANTS
 PERFORMANCE UNDER THE MOST EXTREME CONDITIONS



AUTOMOTIVE ENGINE | AUTOMOTIVE DRIVELINE | HEAVY DUTY ENGINE | HEAVY DUTY DRIVELINE | HYDRAULIC | GEAR OILS | GREASES | INDUSTRIAL LUBRICANTS | ANTIFREEZE

HD EXTENDED LIFE NAPS FREE OAT
50/50 PRE-DILUTED ANTIFREEZE/COOLANT

Performance Plus® HD Extend Life NAPS Free OAT antifreeze/coolant is a nitrite, amine, phosphate and silicate (NAPS) free organic acid technology (OAT) type antifreeze/coolant formulated for use in commercial engines operating on diesel, gasoline, natural gas, propane, LPG, or methane-based waste gas. Our patented formulation does not require the use of Supplemental Coolant Additives (SCAs) during recommended service interval making it perfect as a universal top-off and service coolant.

PERFORMANCE PLUS PROPERTIES	
Relative Density 60°F (15.5°C)	1.065 to 1.095
Freeze Point, °F (°C)	-34 (-37) max
Boiling Point, °F (°C)	226 (108) min
Ash Content, mass %	< 2.5
pH	8.0 to 9.3
Chloride, ppm	< 25
Effect on Automotive Finish	No Effect
Service Interval: Heavy Duty Trucks	12,000 hrs. / 600,000 miles (960K km)
Color	Red
Bittering Agent, ppm	30 to 50

Approvals and Specifications

Performance Plus® HD Extended Life NAPS Free OAT was tested against and meets the following specifications*:

ASTM D6210

Performance Plus® HD Extended Life NAPS Free OAT is suitable for use and recommended for use in many OEM applications (where applicable*):

Note: Values shown above are representative of current production and may vary within modest ranges

*Information regarding recommended maintenance and equipment operating conditions can be found by referencing Original Equipment Manufacturer's (OEM) antifreeze/coolant recommendations.

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Features and Benefits: Performance Plus Antifreeze/Coolants deliver the protection and performance demanded by today's heavy duty engines. Tested, proven, and trusted quality are why those demanding the best, turn to Performance Plus. Additionally, Performance Plus HD Extended Life NAPS Free OAT Antifreeze/Coolant offers the following benefits:

Suitable for various applications
 Formulated to be versatile
 Heat transfer and anti-scaling properties
 Superior properties
 Multi-alloy protection formulation

Universal top-off and service coolant for mixed fleets
 Compatible with controlled atmosphere brazed (CAB) aluminum radiators
 Preventing hard water mineral build-up
 Free of nitrite, amine, phosphate, silicate, and 2-ethylhexanoic acid (2-EH)
 Protecting against corrosion of aluminum, brass, cast iron, copper, solder, and steel

Proven and Trusted: The foundation of all Performance Plus products is the tested, proven and trusted quality. Every production batch of Performance Plus Antifreeze/Coolant is tested in a laboratory against industry specifications prior to distribution. This focus on quality is why hundreds of thousands of vehicle and stationary engine owners/operators across North America trust Performance Plus to protect their engine cooling systems.

PERFORMANCE PLUS PROPERTIES		SPECIFICATIONS	PERFORMANCE
Corrosion in Glassware: Weight Loss (mg/specimen)			
Copper Brass Steel Cast Iron	(ASTM D1384)	10 max (EA)	Pass
Solder Aluminum	(ASTM D1384)	30 max (EA)	Pass
Simulated Service Test: Weight Loss (mg/specimen)			
Copper Brass Steel Cast Iron	(ASTM D2570)	20 max (EA)	Pass
Solder Aluminum	(ASTM D2570)	60 max (EA)	Pass
Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces			
mg/cm ² /week	(ASTM D4340)	1.0 max	Pass
Foaming			
Volume, mL	(ASTM D1881)	150 max	Pass
Break Time, seconds	(ASTM D1881)	5 max	Pass
Cavitation-Erosion Rating			
	(ASTM D2809)	8 min	Pass

Health and Safety: Information detailing health and safety associated with using the product can be found in the corresponding Safety Data Sheet (SDS) on the Performance Plus website. Ethylene glycol based antifreeze is toxic and must not be used to winterize potable water systems.

Storage: Product is stable for at least 5 years when stored in original container at ambient temperature. Agitate before use.

Disposal: All efforts should be made to protect the environment. Waste antifreeze should never be disposed of by dumping onto the ground, or into a septic system or storm sewer. Should you need any assistance with disposal, please contact your sales representative for information on Safety-Kleen's waste antifreeze collection services.

For additional questions, please contact your Performance Plus® Products Sales Representative.

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