



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 | COOLANTS

**Fully Formulated Conventional (Fuchsia)
 50/50 PRE-DILUTED ANTIFREEZE/COOLANT**

Performance Plus® Fully Formulated HD Conventional antifreeze/coolant is premium quality inorganic additive technology designed for use in heavy-duty diesel engines that contains a chemical inhibitor system, which is Borate, Nitrite-base formula to protect diesel engines from liner pitting and corrosion. This formulation is pre-charged with nitrites, so it does not require the addition of Supplemental Coolant Additives (SCAs) at initial fill. Recommended for use in Heavy-Duty Diesel engines that require the addition of SCA's as a recommended maintenance program. This Coolant is made with a low Silicate, Phosphate Free formulation containing a full charge of heavy-duty chemical inhibitors and is compatible with SCA filters. Formulated with Borate/Nitrite chemistry are recommended for use in Caterpillar, Detroit Diesel, Cummins and other heavy-duty diesel engines.

PERFORMANCE PLUS PROPERTIES	
Relative Density 60°F (15.5°C)	1.0725 to 1.1725
Freeze Point, °F (°C)	-34 (-37) max
Boiling Point, °F (°C)	226 (108) min
Ash Content, mass %	< 1.0
pH	10.5 to 10.8
Chloride, ppm	< 25
Effect on Automotive Finish	No Effect
Service Interval: Heavy Duty Trucks	2 years / 200,000 miles With proper maintenance*
Color	Fuchsia
Bittering Agent, ppm	30 to 50

Approvals and Specifications

Performance Plus Fully Formulated HD Conventional meets the physical, chemical, and performance requirements of:

- ASTM D6210
- ASTM D4985
- ASTM D3306
- TMC RP329

Fully Formulated Conventional is suitable for heavy duty applications requiring borate/nitrate chemistry (w here applicable)*.

- | | |
|----------------|--------------------|
| Detroit Diesel | Caterpillar (DEAC) |
| John Deere | Navistar |
| International | MAN |
| Freightliner | Scania |
| PACCAR | Ford |
| Kenworth | General Motors |
| Peterbilt | Volkswagen |
| MTU | Mercedes-Benz |
| Cummins | Volvo |
| Daimler | Mack Truck |
| Toyota | |

* With ongoing monitoring using nitrite test strips & compatible SCA/slow-release chemical filter.

Ready to use product: Do not add water.

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) coolant recommendations.



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 | COOLANTS

Fully Formulated Conventional (Fuchsia) 50/50 PRE-DILUTED ANTIFREEZE/COOLANT

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 Fully Formulated Conventional Antifreeze/Coolant offers the following benefits:

Suitable for various applications
Heat transfer and anti-scaling properties
Multi-alloy protection formulation

Universal top-off and service coolant for mixed fleets
Preventing hard water mineral build-up
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. 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
ASTM D1384 Corrosion in Glassware: Weight Loss (mg/specimen)		
Copper Brass Steel Cast Iron	10 max (EA)	Pass
Solder Aluminum	30 max (EA)	Pass
ASTM D2570 Simulated Service Test: Weight Loss (mg/specimen)		
Copper Brass Steel Cast Iron	20 max (EA)	Pass
Solder Aluminum	60 max (EA)	Pass
ASTM D 4340 Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces		
mg/cm ² /week	1.0 max	Pass
ASTM D 1881 Foaming		
Volume, mL	150 max	Pass
Break Time, seconds	5 max	Pass
ASTM D2809 Cavitation Corrosion of Aluminum Pumps – Rating		
	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.

Rev. 5/22