



**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

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

**Performance Plus® LD Extend Life NAPS Free OAT** antifreeze/coolant is formulated for use in domestic and foreign passenger cars and light-duty trucks requiring a NAPS (nitrite, amine, phosphate and silicate) Free OAT (organic acid technology) type antifreeze/coolant. Perfect as a universal top-off and service coolant and it is dyed pale yellow to maintain the original color of the antifreeze in a vehicle during top-off scenarios.

| 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 9.0                       |
| Chloride, ppm                       | < 25                             |
| Effect on Automotive Finish         | No Effect                        |
| Service Interval: Heavy Duty Trucks | 5 yrs. / 150,000 miles (240K km) |
| Color                               | Yellow                           |
| Bittering Agent, ppm                | 30 to 50                         |

**Approvals and Specifications**

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

ASTM D3306

Performance Plus® LD Extended Life NAPS Free OAT is suitable for use and recommended for use in the 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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## LD EXTENDED LIFE NAPS FREE OAT 50/50 PRE-DILUTED ANTIFREEZE/COOLANT

**Features and Benefits:** Performance Plus Antifreeze/Coolants deliver the protection and performance demanded by today's passenger cars and light duty trucks. Tested, proven, and trusted quality are why those demanding the best, turn to Performance Plus. Additionally, Performance Plus LD 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 domestic and foreign vehicles
- 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 |
|---|--------------------------|-------------|
| <b>Corrosion in Glassware: Weight Loss (mg/specimen)</b>            |                          |             |
| Copper   Brass   Steel   Cast Iron                                  | (ASTM D1384) 10 max (EA) | Pass        |
| Solder   Aluminum   | (ASTM D1384) 30 max (EA) | Pass        |
| <b>Simulated Service Test: Weight Loss (mg/specimen)</b>            |                          |             |
| Copper   Brass   Steel   Cast Iron                                  | (ASTM D2570) 20 max (EA) | Pass        |
| Solder   Aluminum   | (ASTM D2570) 60 max (EA) | Pass        |
| <b>Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces</b> |                          |             |
| mg/cm <sup>2</sup> /week  | (ASTM D4340) 1.0 max     | Pass        |
| <b>Foaming</b>  |                          |             |
| Volume, mL  | (ASTM D1881) 150 max     | Pass        |
| Break Time, seconds   | (ASTM D1881) 5 max       | Pass        |
| <b>Cavitation-Erosion Rating</b>                                    |                          |             |
|   | (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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