



ANYWHERE. ANYTIME. ANY ENGINE.™

Heavy Duty Nitrite Free Extended Life Antifreeze/Coolant - NF OAT



Prestone Command® Heavy Duty Nitrite Free Extended Life Antifreeze/Coolant (ELC) is an Organic Acid Technology (NF OAT) that is intended for use and compatible with ANY NF OAT Extended Life heavy duty antifreeze/coolant in ANY diesel powered commercial vehicle engine or stationary engine with aluminum and other engine metals. Its patented, technologically advanced formulation is based upon a concentrated blend of premium long-lasting inhibitors designed to provide up to 750,000 miles / 15,000 hours* of protection against temperature extremes, rust, corrosion, scale, and premature water pump failure. Prestone Command AF/C is available in Concentrate and Prediluted 50/50 formulas.

WITH NITRITE FREE EXTENDED LIFE TECHNOLOGY

750,000 MILE / 15,000 HOUR SERVICE LIFE*

- Provides excellent protection for aluminum and all other engine metals
- Compatible with all OAT Extended Life heavy duty antifreeze/coolant
- Complete liner pitting and corrosion protection

Specifications and Performance:

Prestone Command Heavy Duty Nitrite Free Extended Life Antifreeze/Coolant meets or exceeds performance requirements of the major engine manufacturers and the following industry specifications: ASTM D6210, D4985, D7583, D3306, TMC RP329, SAE J1941

	Stock #	UPC Code	Pack
Concentrate	AFC 12000	7 97496-87906 6	6/1 gal.
	AFC 12000-55	7 97496-87908 0	55 gal. drum
	AFC 12000-1KL	7 97496-87909 7	264 gal. tote
50/50	AFC 12100	7 97496-87910 3	6/1 gal.
	AFC 12100-55	7 97496-87912 7	55 gal. drum
	AFC 12100-1KL	7 97496-87913 4	264 gal. tote

*To achieve 750K mile extended service life, follow these steps. Step 1: Perform a cooling system flush and then fill the cooling system with the proper mixture of Prestone Command Nitrite Free coolant and high quality water. Step 2: As coolant level drops through normal engine use, top up using only Prestone Command Nitrite Free prediluted coolant as necessary. Step 3: Test coolant every 6,000 hours, or 1 year – whichever is shorter – using a refractometer to make sure your coolant is adjusted to the correct coolant/water mixture and then use test strips to assess nitrite contamination (Nitrite contamination can occur when adding a NOAT to an NF OAT), and pH. Add NF-OAT coolant extenders at 600k and as necessary to maintain inhibitor level and pH. Use new coolant if replacing a cooling system part.



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HEAVY DUTY NITRITE FREE EXTENDED LIFE ANTIFREEZE/COOLANT - NF OAT

FEATURES & BENEFITS

- Nitrite free, Organic Acid Technology (NF OAT)
- Complete liner pitting and corrosion protection; protects aluminum and all other engine metals
- Requires no initial Supplemental Coolant Additive (SCA) or Extender
- Compatible with all heavy duty OAT formulations
- When used as directed, Prestone Command Heavy Duty Nitrite Free ELC formulations provide long-lasting inhibition and corrosion protection

APPLICATION

Check engine coolant level frequently and top off with Prestone Command HD Nitrite Free 50/50 Prediluted ELC antifreeze/coolant as needed. For flush and fill, use Prestone Command Heavy Duty Nitrite Free Extended Life Antifreeze/Coolant Concentrate. To ensure success, the system should be drained and flushed. A minimum of 40%, maximum of 60% antifreeze/coolant is recommended to achieve optimal freeze/boil and corrosion protection; never exceed 70%. Always check the specific maintenance and change-over intervals, antifreeze/coolant to water ratio, cooling system capacity and service instructions recommended for your vehicle.

Properties	Typical Values	Test Method
Ash, Mass: Concentrate 50 vol %	1.20% 0.60%	ASTM D1119
pH, 50 vol %	8.6	ASTM D1287
Reserve Alkalinity: Concentrate 50 vol %	10.0 mL 5.0 mL	ASTM D1121
Specific Gravity at 20/20°C: Concentrate 50 vol %	1.118 1.070	ASTM D1122
Flash Point, 50 vol %	None	Tag Open Cup
Foam Test	70 mL/2.0 sec	ASTM D1881

HANDLING

Keep container closed. In case of spill, clean up quickly as product is slippery. Flush small spills with water. Large spills, collect into drums for proper disposal. Dispose of or recycle according to federal, state or local regulations.

GENERAL DESCRIPTION

Composition	Typical Values
Ethylene Glycol and Inhibitors: Concentrate 50 vol %	97.9% 50%
Water: Concentrate 50 vol %	2.1% 50%
Dyes	Trace
Color	Yellow
Odor	Characteristic
Pack/Unit	Jug / Drum / Tote
Average Fluid Weight/Unit at 68°F (20°C): Concentrate 50 vol %	9.3 lb (4.2 kg) / gal (3.78 L) 8.9 lb (4.0 kg) / gal (3.78 L)

MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS*:

- ASTM: D3306, D4985, D6210, D7583
- TMC: RP329, RP338
- Cummins Bulletin 3666132
- Cummins CES 14603
- Navistar
- Detroit Diesel 93K217
- Freightliner 48-25878
- CAT EC-1
- Volvo 128603
- SAE J1941

* For updated list of specifications, visit www.prestonecommand.com

Protection (Prestone Command/Water Ratio)	Freeze-Up Protection	Boilover Protection†
40% Prestone Command NF ELC 60% Water	-12°F (-24°C)	221°F (105°C)
50% Prestone Command NF ELC 50% Water	-34°F (-37°C)	265°F (129°C)
60% Prestone Command NF ELC 40% Water	-62°F (-52°C)	270°F (132°C)
70% Prestone Command NF ELC 30% Water	-84°F (-64°C)	276°F (136°C)

† Using a 15 lb pressure cap in good condition.