

PURUS[®]

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."



PURUS[®] HEAVY DUTY EXTENDED LIFE ANTIFREEZE/COOLANT



DESCRIPTION

PURUS Heavy Duty Extended life Antifreeze/Coolant is intended for use and compatible with ANY nitrated heavy duty Extended Life (NOAT) antifreeze/coolant in ANY diesel powered truck, farm, off-road, and marine engine with aluminum and other engine metals. Its technologically-advanced formulation and TMC compliant color is based on a concentrated blend of premium long-lasting inhibitors designed to provide up to 750,000 mile service life protection* against temperature extremes, rust, corrosion, scale, and premature water pump failure.

PURUS Heavy Duty Extended life Antifreeze/Coolant is purpose built to meet these industry drivers and challenges:

- May be added to the NOAT antifreeze/coolant in ANY heavy duty truck, farm, off-road, and/or marine engine application
- Meets performance requirements of CAT EC-1
- Requirement for environmentally safer, phosphate- and silicate-free formulas

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PERFORMANCE BENEFITS

INDUSTRY DRIVERS	PURUS SUPPORTING TECHNOLOGY	PURUS BENEFITS PERFORMANCE ADVANTAGES
Increasing demand all applications	Organic Acid Technology (OAT)	Extended service life: 750,000 miles* (on-road)
Meets Performance requirements of CAT EC-1	Advanced additive technology	Protection against: Temperature Extremes Rust, Scale, and Corrosion
Requirement for environmentally safer, phosphate- and silicate-free formulas	Ethylene glycol-based premium formulation	Excellent wet sleeve liner cavitation protection

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APPLICATIONS

Purus Heavy Duty ELC meets the performance requirements of and is suitable for use for:

ASTM D3306

ASTM D6210

CAT EC-1

CNH MAT 3620 EG3, EG4

CUMMINS CES 14439

CUMMINS CES 14603

JOHN DEERE JDM H24A

MAN 324 TYPE N

MTU MTL 5048

NAVISTAR CEMS B-1 TYPE III

VOLVO VCS2

TYPICAL PROPERTIES*

Catagory	Concentrate	50/50
Fluid Color/Odor	Red/Characteristic	Red/Characteristic
Ash Content	1.26% by weight	.71% by weight
pH (50% solution)	8.7	8.7
Specific Gravity @ 20/20°C	1.121	1.071
Freezing Point/Boiling Point	-34°F(-37°C)/265°F(129°C)	-34°F(-37°C)/265°F(129°C)
Foam Test	30ml, 1second break time	30ml, 1second break time

*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all of our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.

*To achieve 750,000 mile extended service life, adhere to the following steps: perform a cooling system flush and then fill the cooling system with the proper mixture of PURUS[®] Heavy Duty Extended Life Antifreeze/Coolant and high quality water. When cooling levels drop through normal engine use, top up using this product as necessary and test coolant every 6,000 hours or 1 year-whichever is shorter- using a refractometer to make sure your coolant is adjust to the correct coolant/water mixture and then use test trips to assess nitrite level and pH. Add NOAT coolant extender at 300,000 and 600,000 mile and, as necessary, to maintain inhibitor level and pH. Use new coolant if replacing a cooling system part Always refer to vehicle manufacturer or service manual for recommended change intervals, cooling system capacity and specific cooling system service instructions. All Test assume standard 15 pound pressure cap in good condition.

Product	Bulk	Tote	Drum	Case	Product	Bulk	Tote	Drum	Case
Concentrate	17238	PHD67238	PHD17238	PHD00388	Pre-Mix 50/50	17239	PHD67239	PHD17239	PHD00390