

PURUS® HEAVY DUTY EXTENDED LIFE ANTIFREEZE/COOLANT

Manufactured with virgin base products

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.

*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.

PRODUCT SPECIFICATIONS:

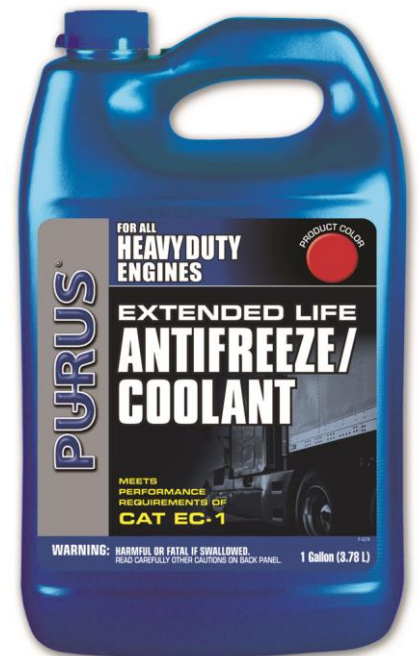
When used as directed:

- 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
- Provides a silicate, phosphate and borate-free formulation for long lasting inhibition and corrosion protection
- Protects aluminum and other engine metals
- Meets or exceeds ASTM D3306, ASTM D4985 and ASTM D6210

TYPICAL PROPERTIES:**

		Typical Values±
Ethylene Glycol and Inhibitors		98%
Total Water		2%
Dyes		Trace
Properties		
Color		Red
Odor		Characteristic
Ash Content	ASTM D1119	1.26% by weight
pH	ASTM D1287	
50% by Volume Solution		8.7
Reserve Alkalinity	ASTM D1121	8.8
Specific Gravity at 20/20°C	ASTM D1122	1.121
50% by Volume Solution		1.071
Freezing Point	ASTM D1177	
50% by Volume Solution		-34°F (-37°C)
Boiling Point*	ASTM D1120	
50% by Volume Solution		265°F (129°C)
Flash Point (Tag Open Cup)		
70% by Volume Solution		None
Foam Test	ASTM D1881	30 ml, 1 second break time
Average Net Weight/Gallon at 68°F (20°C) 9.3 lbs.		

± Using standard 15 pound pressure cap in good condition



Revised: 12/2022
PURUS AF HDELC Page 1

PURUS® HEAVY DUTY EXTENDED LIFE ANTIFREEZE/COOLANT

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** 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.

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Revised: 12/2022
PURUS AF HDELCL Page 2

PURUS® HEAVY DUTY EXTENDED LIFE 50/50 PREDILUTED ANTIFREEZE/COOLANT

Manufactured with virgin base products

DESCRIPTION:

PURUS® Heavy Duty Extended Life 50/50 Prediluted 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 guard against temperature extremes, rust, corrosion, scale, and premature water pump failure. **PURUS® Heavy Duty Extended Life 50/50 Prediluted Antifreeze/Coolant** is a 50/50 blend of antifreeze and demineralized water that provides extended life up to 750,000 mile service life protection* when added to ANY NOAT ELC type heavy duty antifreeze/coolant.

*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.

PRODUCT SPECIFICATIONS:

When used as directed, **PURUS® Heavy Duty Extended Life 50/50 Prediluted Antifreeze/Coolant:**

- 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
- Provides a silicate, phosphate and borate-free formulation for long lasting inhibition and corrosion protection
- Protects aluminum and other engine metals
- Meets or exceeds ASTM D3306, ASTM D4985 and ASTM D6210

TYPICAL PROPERTIES**

		Typical Values±
Ethylene Glycol and Inhibitors		51%
Total Water		49%
Dyes		Trace
Properties		
Color		Red
Odor		Characteristic
Ash Content	ASTM D1119	0.71% by weight
pH	ASTM D1287	
50% by Volume Solution		8.7
Reserve Alkalinity	ASTM D1121	4.4
Specific Gravity at 20/20°C	ASTM D1122	
50% by Volume Solution		1.071
Freezing Point	ASTMA D1177	
50% by Volume Solution		-34°F (-37°C)
Boiling Point *	ASTM D1120	
50% by Volume Solution		265°F (129°C)
Flash Point (Tag Open Cup)		None
70% by Volume Solution		
Foam Test	ASTM D1881	30 ml, 1 second break time
Average Net Weight/Gallon at 68°F (20°C) 8.9 lbs.		

±Using a standard 15 pound pressure cap in good condition



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PURUS AF 5050 HDELC Page 1

PURUS® HEAVY DUTY EXTENDED LIFE 50/50 PREDILUTED ANTIFREEZE/COOLANT

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Revised 12/2022

PURUS AF 5050 HDELIC Page 2