

PURUS® HEAVY DUTY NITRITE-FREE EXTENDED LIFE ANTIFREEZE/COOLANT – **YELLOW**

Manufactured with virgin base products

DESCRIPTION: **PURUS® Heavy Duty Nitrite-Free Extended Life Antifreeze/Coolant** is a premium quality, Organic Acid Technology (OAT), ethylene glycol-based fluid. Specially formulated with advanced additive technology, this product provides extended service maintenance protection in heavy duty applications without the addition of SCAs, and meets nitrite-free coolant requirements of many industry-leading OEMs.

PERFORMANCE FEATURES:

- Extended service life of 1,000,000 miles on-road | 8 years or 20,000 hours of off-road use.*
- Free of phosphates, silicate, nitrites, amines, and borates.
- Offers excellent wet sleeve liner cavitation protection.
- Contains better heat transfer properties than conventional coolants requiring SCAs.
- Eliminates maintenance with no SCAs required.
- Provides maximum freeze and boil-over protection.
- Extended life corrosion protection for steel, solder, copper, iron, brass and aluminum.
- High-quality defoamer system, non-harmful to hoses, plastics or gaskets.
- Compatible with all major American brands of coolant technologies including conventional and Organic Acid Technology (OAT).

TYPICAL PROPERTIES:	ASTM Method	Concentrate	50/50
Glycols Content, mass %	GC	93	47
Bittering Agent	--	Yes	Yes
Water Content, mass %	D1123	2	50.5
Corrosion Inhibitor System, mass %	--	5	2.5
Specific Gravity @ 60°F	D1122	1.131	1.08
Flash Point	D97	240°F (116°C)	N/A
pH	D1287	8.6	8.4
RA	D92	6.4	3.2
Storage Stability	--	5 years	5 years
Effect on Non-Metals	D1882	No Effect	No Effect
Cavitation Erosion Rating	D2809	8 min	8 min
Foam Test, ml/sec	D1881	<50/3	<50/3
Fluid Color		Yellow	Yellow
Coolant/Antifreeze % 50/50 Freeze Point	D1177	-34°F (-36°C)	-34°F (-36°C)
Coolant/Antifreeze % 40/60 Boil Point	D1120	221°F (105°C)	N/A
Coolant/Antifreeze % 50/50 Boil Point	D1120	226°F (108°C)	226°F (108°C)
Ash Content	D1119	<5.0	<2.5
Chloride (mg/L)	D3634	<25	<25
Silicon (as SiO3)	D6130	<10	<10
Nitrate Content (mg/L)	D5827	1300	650
Molybdate Content (ppm)	D6130	2300	1150



Commitment To Quality

Updated 07/2015

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PURUS® Heavy Duty Nitrite-Free Extended Life Antifreeze/Coolant meets the requirements of:**

- AGCO (Massey Ferguson) M1130A
- ASTM D3306
- ASTM D6210
- Bombardier
- BS 6580:2010
- Buhler Versatile 860550054
- CAT DEAC/ NGEC
- CAT EC-1
- CID-A-52624A
- Chrysler MS-7170
- Chrysler MS-9769
- CNH MAT 3620 (87692740)
- Cummins CES 14603
- Daimler DBL 7700.00
- Daimler DBL 7700.10
- Daimler DBL 7700.20
- Daimler DBL 7700.30
- DDC 93K217
- EMD MI 1748F
- Ford ESE-M97B18-C
- Ford ESE-M97B44-A
- Ford ESE-M97B44-D
- Ford WSS-M97B51-A1
- Ford WSS-M97B55-A
- GM B 040 1065 - GM 6277M
- GM 6277M (DEX-COOL)***
- GM 1825M
- GM 6038M
- GM 1899M
- GET-2594F (MI-09500)
- Hino Trucks
- IVECO Standard 18-1830
- JCB STD00088
- Jenbacher 1000-201
- John Deere JDM H24A
- John Deere JDM H24B, C
- John Deere JDS-G135
- Kia MS 591-08
- Komatsu KES 07 892
- Liebherr
- Mack GS17004
- MAN 324 Type N, NF, SNF
- MWM Deutz TR0199-99-1115
- Navistar CEMS B-1 Type I, II, III, IIIA
- Nissan
- Perkins (CAT)
- SAE J1034
- SAE J1941
- TMC RP 302A
- TMC RP 302B
- TMC RP 303C
- TMC RP 329
- TMC RP 338A
- Toyota TSK 26016
- Volvo Coolant VCS
- VW TL774-C
- VW TL774-D/F
- VW TL774-G
- Waukesha 4-2429H
- Wisconsin Motors (Continental)

Always consult your vehicle owner's manual for proper fluid removal and flushing procedures. Typical properties, are not to be construed as specifications.

*To maintain the protection provided by Purus Heavy Duty Nitrite-Free Extended Life Coolant/Antifreeze, the proper level of inhibitor must be present. This can be achieved by topping off the cooling system with Purus Heavy Duty Nitrite-Free Extended Life Coolant/Antifreeze only when required and maintaining the recommended freeze protection.

**Meets performance requirements but may or may not meet certain chemical requirements.

***DEX-COOL® is a registered trademark of the General Motors Corporation.



Updated 07/2015