

HEAVY DUTY EXTENDED LIFE ANTIFREEZE/COOLANT

PRODUCT CODE: 9200, 9250, 9260

DESCRIPTION

49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS are single phase, ethylene glycol based products available in various dilutions that are based on aliphatic carboxylate corrosion inhibitor technology specifically formulated for heavy duty cooling system applications that require nitrite.

QUALITIES

49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS are free of nitrates, borates, silicates, phosphates, and amines. They contain nitrites and molybdates for additional cylinder liner protection. 49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS products have been fully tested under the CAT EC-1 specification and have been found to meet all the chemical and performance requirements of this specification.

49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS are recommended for use in a wide variety of cooling system applications including on-road, off-road and stationary engine applications. 49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS are also recommended in mix fleet applications where heavy duty and light duty trucks are present.

49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS do not require the addition of supplemental coolant additives (SCA's) to reach their service life of 1,200,000 km / 8 years / 15,000 hours with correct top-up practices.

APPLICATIONS

49 NORTH® HD EXTENDED LIFE ANTIFREEZE/COOLANTS are recommended in the following applications:

- Heavy duty engines regardless of fuel types, where the OEM recommends a silicate free, extended life coolant that contains nitrites.
- Mixed fleets containing both light duty and heavy duty trucks.
- Stationary engine applications regardless of fuel type.
- Marine cooling systems where freeze protection is needed and a nitrite containing coolant is recommended.

FEATURES & BENEFITS

Eliminate additional costs from testing and maintaining SCA's.

Silicate free formula improves heat transfer when compared to silicate containing formulations.

Maximum hardware life due to reduced water pump seal wear from a silicate free formula.

Long service life and excellent protection of cooling system metals, even in high temperature applications.

Variable Applications, including on-road, off-road, and stationary engines of variable fuel types.

CONTACT

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6611 - 45 Street
Leduc, Alberta
Canada T9E 7E3

TYPICAL PROPERTIES

Product Codes	9200 / 9250 / 9260
Appearance	Red
Specific Gravity (60°F)	1.130
Freezing Point (°C) (ASTM D1177)	-37
pH, (ASTM D1287)	8.3
Reserve alkalinity, (ASTM D1121)	6.0
Silicate, %	None

Recommended Product Dilution from Concentrate

Boiling Protection

- 50% (1 part antifreeze / 1 part water) 129 °C

Freezing Protection

- 40% (2 parts antifreeze / 3 parts water) -24 °C
- 50% (1 part antifreeze / 1 part water) -37 °C
- 60% (3 parts antifreeze / 2 parts water) -52 °C

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

MEETS OR EXCEEDS INDUSTRY APPROVALS AND SPECIFICATIONS

- ASTM D3306
- ASTM D6210
- Deutz DQC CB-14
- Caterpillar EC-1
- Navistar B1 Type 3
- Navistar Diesel Engine
- TMC RP 329, 302A, 351
- Hino
- Isuzu
- Kenworth & Peterbilt
- Scania & MAN
- Volvo & Mack
- Detroit Series 60 and DD15 (SVC BRO 0002)
- Caterpillar Stationary Natural Gas Engines
- Cummins QSK, QST, ISX 15, ISM, ISL, ISC, ISB
- Cummins Westport ISX 12G and ISL G CNG
- Freightliner & Westernstar
- GE – Jenbacher Stationary Natural Gas Engines
- Kobelco
- Komatsu
- MTU 4000
- Wartsila Stationary Diesel Engines
- Waukesha Stationary Natural Gas Engines
- White-Superiour Stationary Natural Gas Engines

HEALTH & SAFETY

A complete Safety Data Sheet (SDS) is available upon request.

PACKAGE SIZES

Available in Bulk, 1211L totes, 208L Drums, 20L Pails, 4x3.78L Cases

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