

HEAVY DUTY ANTIFREEZE/COOLANT

PRODUCT CODE: 9100, 9150

DESCRIPTION

49 NORTH® HEAVY DUTY ANTIFREEZE/COOLANTS are ethylene glycol based multi-purpose coolants, available as a concentrated or 50/50 pre-mixed product, specifically formulated for use in heavy duty diesel engines.

QUALITIES

49 NORTH® HEAVY DUTY ANTIFREEZE/COOLANTS are single phase, ethylene glycol based products blended with a premium quality additive package, containing a low silicate, phosphate free formula designed to provide superior protection for heavy duty diesel cooling systems and, having the advantages of low total dissolved solids and low silicate, incorporates nitrite to provide superior wet sleeve liner cavitation protection.

49 NORTH® HEAVY DUTY ANTIFREEZE/COOLANTS provide anti-foam properties and rust and corrosion protection for the metal alloys found in heat transfer systems.

49 NORTH® HEAVY DUTY ANTIFREEZE/COOLANTS are pre-charged with a high quality SCA, so there is no need for additional SCA's at initial fill or when topping off. The inhibitor system in 49 NORTH® HEAVY DUTY ANTIFREEZE/COOLANTS is designed to last for the life of the engine when properly maintained, and meets the performance requirements for all major automotive specifications for conventional coolant, allowing operators of mixed fleets to stock one antifreeze for all their vehicles.

APPLICATIONS

49 NORTH® HEAVY DUTY ANTIFREEZE/COOLANTS are recommended in the following applications:

- Heavy duty engines regardless of fuel types, where the OEM recommends a nitrite containing coolant.
- Mixed fleets containing both light duty and heavy duty trucks.
- Automobiles requiring a non-extended life, low-silicate coolant meeting ASTM D3306

FEATURES & BENEFITS

Wide service application in vehicles where a low silicate product is required, or in heavy duty engines.

Long service life when correct top up procedures are followed.

Provides excellent protection to automotive cooling system components.

Eliminate additional costs from testing and maintaining SCA's.

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

Wide temperature application protects against winter freeze up and minimizes summer boil over.

CONTACT

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Leduc, Alberta
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TYPICAL PROPERTIES

Product Codes	9100 / 9150
Appearance	Green
Specific Gravity (60°F)	1.110-1.125
Freezing Point (°C) (ASTM D1177)	-37
pH, (ASTM D1287)	10.0-10.5
Reserve alkalinity, (ASTM D1121)	7.0 mL
Nitrites	2400 ppm min

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

- ASTM D3306
- ASTM D6210
- ASTM D4985
- ASTM D6471
- ASTM D6472
- ASTM D6211
- ATA RP 329
- ATA RP 329
- GSA CID A-A-52624
- Detroit Diesel 7SE298, 93K217
- Caterpillar DEAC
- Peterbilt 07-06773
- Kenworth RO 26-170-97
- Freightliner 48-22880
- Navistar CEMS B-1 Type II
- Ford ESE-M97B18-C (3.1.1 & 3.1.2)
- GM 1899M
- GM 1825M

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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