



## Northland Diesel Guard® Engine Coolant / Anti-Freeze

### Description:

Northland Diesel Guard is a fully formulated, heavy-duty engine coolant / anti-freeze. This premium quality, ethylene glycol-base engine coolant is intended for use in on and off highway heavy-duty diesel engine applications where additional protection against wet sleeve linear pitting and corrosion is essential. This unique corrosion inhibitor package eliminates the need for the initial charge of supplemental coolant additive (SCA) now required by most diesel engine manufacturers. This state-of-the art coolant formulation meets and surpasses the most demanding quality and performance specifications for both heavy-duty diesel and automotive vehicle applications. Northland Diesel Guard is phosphate free, and meets the ASTM D-4985 low silicate specification.

### Typical Properties- Northland Diesel Guard®

Specific Gravity @ 60° F	ASTM D-1122	1.110 - 1.145
PH 50% Dilution	ASTM D-1287	10.0 - 10.4
Reserve Alkalinity	ASTM D-1121	7.0 minimum
Boiling Point	ASTM D-1120	320°F, Min.
Flash Point	ASTM D-92	240°F, Min.
Total Glycols		95% Min.
Total Water (concentrated version)		5% Max.
Freeze Point, 50% Dilution	ASTM D-1177	-34°F
Effect on Automatic Finish		None

### Performance Specifications:

ASTM D-4985	GM 1899M	Ford ESE-M97B44-A
ASTM D-3306	GM 1825M	Chrysler MS 7170
ASTM D-6210	SAE J-1034, J-1941	ATA Maintenance Council RP-329
Cummins Bulletin #3666132		Detroit Diesel 7SE-298

### Application:

Northland Diesel Guard will provide exceptional corrosion inhibition and freeze protection when diluted in a 50% / 50% concentration. For maximum protection, utilize high quality water which is low in dissolved solids and undesirable contaminants, or select the prediluted Northland Diesel Guard. If possible, thoroughly drain and flush cooling system before using Diesel Guard, and top off cooling system only with this coolant to maintain proper inhibitor balance. Although there is no need for an initial charge of supplemental coolant additive (SCA) when using Northland Diesel Guard, it is good maintenance practice to monitor inhibitor levels on a regular basis by utilizing a coolant analysis program and adding SCA as necessary. Engine coolant concentration level should not fall below 40% for proper inhibitor protection.