



**HEAVY DUTY NITRITE-FREE**  
Organic Acid Technology (OAT)

PROFLEET® Heavy Duty Nitrite-Free antifreeze is an advanced Organic Acid Technology (OAT) that provides multi-metal corrosion protection, especially aluminum. This type antifreeze does not contain nitrites, amines, phosphates or silicates. It is formulated with scale inhibitors and dispersants and is safe for elastomers used in hoses and gaskets. An advanced chemistry prevents cylinder liner cavitation in heavy-duty diesel engines without the use of a Supplemental Antifreeze Additive (SCA).



**Best Use:** Modern Heavy Duty Diesel Trucks & Equipment

**Recommended Service Interval:** 3 Years / 300,000 Miles then boosted to 6 Years / 600,000 Miles with extender at half-life

**BENEFITS**

- ◆ Ethylene Glycol or Propylene Glycol Base
- ◆ Concentrated or Ready-to-Use (50/50 Pre-mix w/ DI Water)
- ◆ Bulk, mini-bulk, drums, totes or 1 gallon containers
- ◆ Extended Life Coolant (ELC)
- ◆ NAPS-Free (Does not contain Nitrite, Amine, Phosphate, or Silicate)
- ◆ Compatible with Nitrited and Nitrite-Free products
- ◆ Product Performance Warranty

**SPECIFICATIONS**

- ◆ ASTM D6210 for Heavy-Duty Engines
- ◆ ASTM D3306 for Automobiles & Light-Duty Service
- ◆ ASTM D7583 for John Deere Cavitation Test

**MEETS REQUIREMENTS**

- ◆ Cummins
- ◆ Detroit Diesel
- ◆ Ford
- ◆ Freightliner

- ◆ General Motors
- ◆ International
- ◆ John Deere
- ◆ Kenworth
- ◆ Mack
- ◆ MAN
- ◆ Mercedes-Benz
- ◆ MTU
- ◆ Peterbilt
- ◆ Scania
- ◆ Volvo



PROFLEET® Manufactured by:  
Solvents & Petroleum Service, Inc.  
1405 Brewerton Road | Syracuse, NY 13208

**For Technical or Ordering Information Call 1-800-315-4467**

**www.solventsandpetroleum.com**

**Table of Properties & Typical ASTM Test Results**

Test / Property	ASTM Test Method	EG Concentrate	EG 50/50
Color	Visual	Red	Red
Relative Density, 15.5/15.5°C (60/60°F)	D1122	1.110 - 1.145	1.0802
Freezing Point °C (°F), 50 vol % in DI water	D1177	N/A	-39.4 (-38.9)
Boiling Point °C (°F), 50 vol % in DI water	D1120	N/A	108.7 (227.7)
pH, 50% vol in DI water	D1287	N/A	8.53
Water Content, mass %	D1123	5 max	46.5
Reserve Alkalinity <sup>1</sup> , mL	D1121	report	6.8
Ash Content, mass %	D1119	5 max	0.7
Chloride, µg/g	D5827	25 max	5
Foaming Tendencies, mL/sec	D1881	N/A	90/2.4
Glassware Corrosion test	D1384	Pass	Pass
Aluminum Water Pump Cavitation Test	D2809	Pass	Pass
Aluminum Corrosion Test	D4340	Pass	Pass
Auto Finish Effect	D1882	No effect	No effect
Simulated Service Corrosion Test	D2570	Pass	Pass

**Note** <sup>1</sup>: Modern OAT coolants do not require high reserve alkalinity to perform exceedingly well.

*The preceding data is based on tests and experience, which Solvents and Petroleum Service, Inc. believes reliable, and is supplied for informational purposes only.*

*For detailed safety and handling information regarding these products, please refer to the respective Solvents and Petroleum Service, Inc. Safety Data Sheets (SDS).*

PROFLEET® is compatible with several competing brands of antifreeze. Refer to the Compatibility Chart for more information.



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