

ProCharge Heat Transfer Fluid PGSE

Inhibited Propylene Glycol-Based Industrial Coolant For Stationary Engines

ProCharge PGSE is a propylene glycol-based heat transfer fluid which contains industrial inhibitors to provide protection for all cooling system metals. Formulated for applications where contact with potable water could potentially occur, where toxicity or environmental concerns exist, or where the use of propylene glycol is required by law or regulation. Its phosphate-free formula helps prevent scaling that can impede heat transfer and cause cylinder head cracking.

BENEFITS

- Low acute oral toxicity
- Works in ALL heavy duty stationary engines
- Excellent heat transfer
- Protects against freezing and boilover
- Outstanding protection against corrosion and cavitation
- Low-silicate, phosphate-free formula reduces the risk of scale
- Meets the ASTM D3306 requirements for ASTM D1384, which is the industry standard test method to demonstrate corrosion protection of all system metals
- Meets ASTM D3306 and ASTM D6210 requirements for use in heavy duty applications
- Can be mixed with other coolants (mixing with ethylene glycol-based coolants will increase toxicity)

APPLICATIONS

- All heavy duty diesel, gasoline and natural gas stationary engines
- Gas distribution line heaters
- Indirect heaters
- Applications where contact with potable water could potentially occur, where toxicity or environmental concerns exist, or where the use of propylene glycol is required by law or regulation

PROCHARGE PGSE FREEZE/BOIL PROTECTION CHART	% of System Capacity	PROTECTS FROM	
		Freezing Down to	Boiling up to**
	40	-13°F	+205°F
	50	-34°F	+265°F
	60	-62°F	+270°F

**Using a 15 lb. pressure cap at sea level.

SPECIFICATIONS/RECOMMENDED USE

Meets these specifications:

- ASTM D6210
- ASTM D3306
- ASTM D4985

Recommended for use where the following equipment and specifications are cited:

- Agco
- CNH
- CAT
- Cummins
- Detroit Diesel
- Deutz
- Fendt
- International
- John Deere
- Komatsu
- Kubota
- MAN
- Mercedes
- MTU
- Navistar
- Volvo/Mack
- Waukesha

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES FOR PROCHARGE PGSE		
		% VOL 40%	50%	100%
Specific Gravity @ 60/60 °F	D1122	1.034	1.043	1.051
pH of Solution	D1287	10 min	10 min	10.9 min†
Reserve Alkalinity, mL	D1121	7 min	7 min	7 min
Freezing Point, °F/°C	D1177, D3321, D6660	-6/-21	-26/-31	<-60/-51†
Burst Point, °F/°C	-	-60/-51	-60/-51	-60/-51
Boiling Point*, °F/°C	D1120	219/104	220/104	310/154
Chloride, ppm	D5827	<25	<25	<25
Odor	-	Not Offensive		
Color	-	Pink		

* At atmospheric pressure
† At 50/50 dilution

Available in Bulk, 275 Gallon Tote, and 55 Gallon Drum

NOTE: Values indicated are typical physical properties and are not specification limits. Seller offers no warranty, expressed or implied, concerning the suitability of this product for any particular purpose.

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