

# THERMAL CHARGE®

## HEAT TRANSFER FLUID

# PGSE

Inhibited Propylene Glycol-Based Industrial Coolant For Stationary Engines



### DESCRIPTION

Thermal Charge® 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)

### SUITABLE 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

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

To order, please call **1-800-323-5440** or email [commercial@owi.com](mailto:commercial@owi.com)

For technical support, call 1-800-477-5847

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES FOR THERMAL CHARGE 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

### PRODUCT AVAILABILITY

	PART NUMBER		
Bulk	TGP040	TGPW50	TGP000
275 Gallon Tote	TGP048	TGPW58	TGP008
55 Gallon Drum	TGP041	TGPW51	TGP001



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