

# THERMAL CHARGE®

## HEAT TRANSFER FLUID

# EGSE

Inhibited Ethylene Glycol-Based Industrial Coolant For Stationary Engines



### DESCRIPTION

Thermal Charge® EGSE is an ethylene glycol-based coolant which contains industrial inhibitors to provide protection for all system metals. Its phosphate-free formula helps prevent scaling that can impede heat transfer and cause cylinder head cracking.

### BENEFITS

- 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 used with similar heat transfer fluids

### SUITABLE APPLICATIONS

- All heavy duty diesel, gasoline and natural gas stationary engines
- Gas distribution line heaters
- Indirect heaters

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

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	% VOL 40%	TYPICAL VALUES FOR THERMAL CHARGE EGSE		
			50%	60%	100%
Specific Gravity @ 60/60 °F	D1122	1.054	1.072	1.082	1.126
pH of Solution	D1287	10 min	10 min	10 min	10 min†
Reserve Alkalinity, mL	D1121	2 min	2.8 min	4 min	5.6 min
Freezing Point, °F/°C	D1177, D3321, D6660	-13/-24	-34/-37	-65/-54	-34/-37†
Burst Point, °F/°C	-	-60/-51	-60/-51	-60/-51	-60/-51
Boiling Point*, °F/°C	D1120	221/105	229/109	234/112	325/163
Chloride, ppm	D5827	<25	<25	<25	<25
Odor	-	Not Offensive			
Color	-	Pink			

\* At atmospheric pressure  
† At 50/50 dilution

### PRODUCT AVAILABILITY

	PART NUMBER			
Bulk	TGAB40	TGAB50	TGA060	TGA080
275 Gallon Tote	TGAB48	TGAB58	TGA068	TGA088
55 Gallon Drum	TGAB41	TGAB51	TGA061	TGA081
5 Gallon Pail	-	TGAB55	-	TGA085



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