



# PRODUCT BULLETIN

**Product Affected – All PSI Continuous Duty and Prime-Power Engines**  
**Date of Bulletin – 1/3/2013**  
**Bulletin Number – NGE012013**  
**Category – Cold weather operation**

## **Summary of product bulletin:**

This bulletin is to inform the OEM's and operators of PSI Heavy Duty engines of the precautions and configuration options for cold-weather operation:

### ***(1) Severe cold ambient conditions and/or partial loading of PSI continuous duty engines can lead to reliability and maintenance issues including:***

- Poor oil quality
- Cold-fouling of spark plugs
- Crankcase ventilation fouling and freezing.

### ***(2) PSI recommends that these special precautions and configuration changes be considered and applied to cold weather applications:***

- Higher temperature thermostats should be used in applications where the normal engine coolant temperature does not reach 180 degrees Fahrenheit.
- Reverse flow fans can be used on applications where additional heat in the generator enclosure is desirable.
- Heat trace should be used on crankcase ventilation components and hoses to prevent freezing.
- Supplemental load should be added on engines operating at less than 50% load in cold weather conditions.
- PSI offers a Racor-based crankcase ventilation system on all current PSI Heavy Duty engines. This system can be installed on non-current PSI engines and is compatible with the optional heater kit.

IF YOU HAVE ANY QUESTIONS ABOUT THIS UPDATE PLEASE CONTACT THE PSI SERVICE DEPARTMENT AT 1-888-331-5764 or SERVICE@POWERGREATLAKES.COM

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