



PRODUCT NOTICE OF CHANGE

Bulletin Number – PSI082016

Change Title – Improvements to NG/LP Fuel Switching Under Load

Date of Notice – 6/10/2016

Engine Displacement (All PSI HD Engines)

Application Type (Stationary) **Prime/Continuous Duty Applications ONLY**

Estimated Effective Date – 6/10/2016

CHANGE DESCRIPTION:

Reason for Change (Continuous Improvement)

Change Identification: In order to improve switching from natural gas to propane while under load, some changes should be made to the fuel system. The natural gas pressure coming into the engine should be raised to 16"-18" water column when the engine is running at full rated load, and a fuel pressure switch should be installed on the high pressure fuel piping before the regulator that lowers fuel pressure to the engine inlet. The switch should close at no less than 5 PSI. This will ensure the engine never sees a loss of natural gas pressure at the EPR and smooth the transition between fuels when switching. A switch with hysteresis that allows it to open at a higher pressure than the closing pressure is preferable – this will prevent the engine from switching fuel types repeatedly as the pressure reaches the switching point, which could result in undesirable operation.

Photo:



Backwards Compatible (Yes)

Note: Fuel pressure does not need to be changed on any application not running a dual-fuel setup.

IF YOU HAVE ANY QUESTIONS ABOUT THIS NOTICE PLEASE CONTACT THE
POWER SOLUTIONS INC. SERVICE ENGINEERING GROUP AT 1-630-350-9400