



CONFIDENTIAL

TIB-OLY023-00

TECHNICAL INFORMATION BULLETIN

September 15, 2005

Olympian Gas powered GM8.1 Engines

SUBJECT: Approaching Low Oil Pressure warnings and
Low Oil Pressure shutdowns.

PROBLEM: After start up, the engine can sometimes trigger the Approaching Low Oil Pressure Alarm and in some instances trigger the Low Oil Pressure Shutdown.

SOLUTION: Please follow the procedure below for checking that the correct PCB and Oil Pressure Sender are fitted to the Genset.

LOW OIL PRESSURE PROBLEMS WITH THE GM1.8 ENGINE

The combined sensor/switch for oil pressure can cause nuisance alarms and shutdowns.

Approaching LOP alarm (4001E only)

Some of the 4001E expansion boards for the GM product have been fitted with an incorrect resistor that allows nuisance approaching low oil pressure alarms. Resistor R131 should be 62k ohms but may be 39k ohms. The correct (62k ohm) resistor can be identified by the color codes: blue (6), red (2), orange (00) with an additional tolerance color band, or blue (6), red (2), black (0), red (00) with an additional tolerance color band.

The part number of the correct PCB board is 650-432. However some of the newer boards still have the old part number (650-217) and you will need to verify that the correct resistor has been fitted. See figure 1.

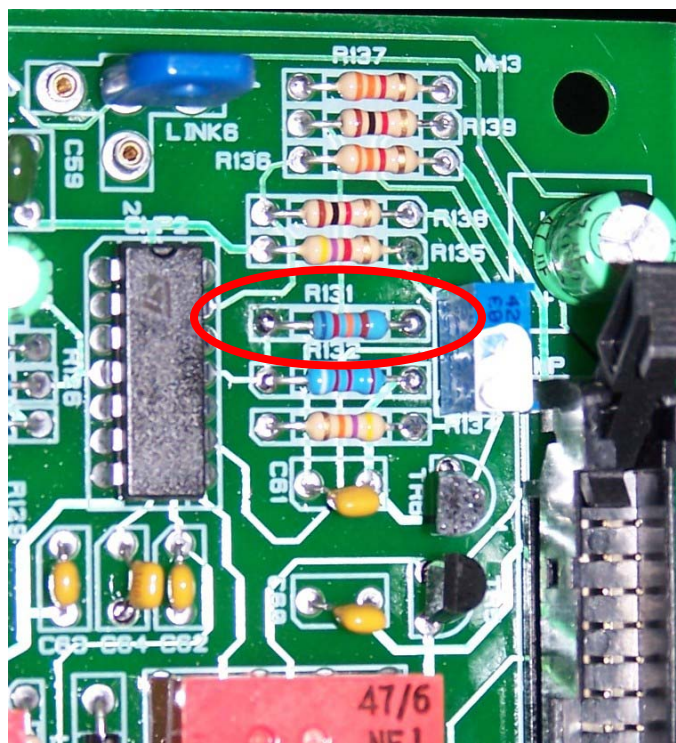


Figure 1 – Correct 62k ohm resistor R131

LOP Shutdown (all control panels)

The combined sensor/switch part number fitted may be incorrect resulting in nuisance LOP shutdowns. The correct part number 622-819 switches at 0.8 bar (11.8 PSI) and can be identified by plain copper terminals as well as markings on the hex nut. The incorrect part number 622-333 switches at 1.25 bar (18.4 PSI) and can be identified by tin plated terminals as well as markings on the hex nut.

If nuisance shutdowns are suspected, check that the correct part is fitted and replace if required.