



PP30 Engine Tune-Up

At 1750 run hours Maintenance is performed on the following items:

Replace: Spark Plugs

1. Remove spark plug cables
 - a. Do not pull on cable, use only spark plug cap
 - b. Note or mark location
2. Using a ratchet and extension with spark plug socket remove each spark plug dispose of according to site guidelines
3. Install new spark plugs
 - a. Apply a thin layer of anti-seize to threads
 - b. Screw in until finger tight, i.e. gasket is in contact with head
 - c. Tighten an additional $\frac{1}{2}$ to $\frac{2}{3}$ turn, or 18-25 ft lbs
4. Plug spark plug cables back in
 - a. Check they are plugged in the right order

Replace: Wide-band O2 sensor

1. Unplug old O2 sensor from power
2. Using a $\frac{7}{8}$ " wrench remove sensor from pyroreactor (or catalytic converter if installed)
3. Calibrate the new O2 sensor
 - a. Power on Power Pallet
 - b. The lambda meter will read 'E2'
 - c. Turn off power and plug in new O2 sensor
 - d. Turn power back on until the lambda meter reads 'Htr' and then 'Cal' and then '1.5'
 - e. Turn power off, unplug new O2 sensor and screw it into original location then plug back in

