



Date: March 14, 2005

Bulletin No. 687

Subject: Oil Leak Repairs for
Marquis Platinum and Gold,
Emerald Advantage, CMM, and CME

Effective: Immediately

Model(s) or Series: Marquis Platinum (HGJAA) and Gold (HGJAB), Emerald Advantage (HGJAC), CMM (HGJAD), and CME (HGJAE and HGJAF) generators

Symptoms:

Leaking oil at or around:

- Oil base cover gasket
- Crankshaft oil seal
- Governor shaft oil seal

The root cause of the oil leak should be verified by the using an oil dye and black light test. The addition of dye to the crank case and use of a black light will help determine the leak's source when the engine is running. Refer to **PSB 660** for more information and instruction.

Repair Procedure:

There have been improvements made to enhance the reliability of the engine's lubrication system. The following are important procedures to note when repairing an oil leak.

- Improvements have been made to the ten oil base cover flange bolts. A stronger and harder bolt, part number **800-6361**, is now being used with a new torque specification of **22-23 N·m (16.2-16.9 ft-lb)**. The flange bolt change was implemented to engines in generator sets with serial number L020444044 and newer.
 - BEFORE Generator Serial Number: L020444044 – Generator set engines have been assembled with the old bolt, part number: 187-6240. Replace the old flange bolts with the new flange bolts, part number: **800-6361**. Torque these bolts to **22-23 N·m (16.2-16.9 ft-lb)**.
 - BEGINNING Generator Serial Number: L020444044 – Generator set engines have the new bolts already implemented. Torque them to **22-23 N·m (16.2-16.9 ft-lb)** when reassembling.
 - The new bolts are easily recognized by looking at the bolt head. The new bolts, part number 800-6361, have a number "9" imprinted on them. The old bolts, 187-6239, do not.