

Chapter Nine

The governor, connected by a driveshaft to the engine drivetrain, senses engine RPM and compares it to the RPM the pilot has selected with the propeller control lever. It redirects oil pressure to, or from, the propeller dome, which changes the blade angle to maintain that RPM, as shown in Figure 9-4. An oil pump drive gear located on the driveshaft meshes with an oil pump idler gear and squeezes oil outward, boosting the engine oil pressure to that required for the propeller system. A pressure relief valve bypasses excess pressure to the inlet side of the pump. Oil goes through the hollow driveshaft to the



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Fig. 9-4. Basic governor configuration.