

Type ..... R-2, series 04

Drive ..... From engine

Direction of rotation ..... RH viewed from governor drive end

Engine crankshaft-to-governor drive transmission ratio. 1:1.045

Governor drive shaft rotational speed.....1400 to 3085 RPM

(engine speed in this case is 1340 to 2950)

Operating principle .....Centrifugal-hydraulic

Operation pattern ... .....One-way, positive

Working fluid .....Engine Oil from engine

Oil pressure at governor pump inlet:

Operating pressure .....42-65psi

Idling .....At least 14 psi

Maximum pressure at governor outlet at 2500rpm, zero flow and oil

temperature of 185 to 195 °F .....213±15psi

Oil temperature at governor inlet:

Minimum permissible .....104°F

Recommended .....120 to 150°F

Maximum permissible .....195°F

Maximum temperature at governor outlet .....212°F

Oil leakage through gaps at 2500 rpm, zero flow and temperature of 185 to 195 °F:

At acceptance tests .....Up to 1.5 qt/min

By end of service life .....Up to 2.1 qt/min

Governor oil pump output at 2500 rpm, outlet pressure = 115 psi and

temperature 185 to 195 °F .....Not less than 7.9 qt/min

Control Arm Rotation angle for operation:

From fine pitch stop (full clockwise, spring released) to full coarse pitch: 160°

Governor dry mass .....(1.7+0.3 ) kg