



Wipaire Worldwide
Anywhere, Anytime

SERVICE LETTER: 13

SUBJECT: Hydraulic pump motor.

FLOAT MODEL: All amphibian floats with electric hydraulic pump mounted in floats or on aircraft firewall.

COMPLIANCE REQUIRED: At owner's discretion.

BACKGROUND INFORMATION:

Moisture entering the hydraulic pump motor body can cause reduced motor life. This may even occur in what appears to be a well lubricated motor. Changes in temperature, altitude, and barometric pressure can cause an expansion of the motor's internal air which can damage the GACO coating around the wires, studs and other joints in the motor. As the internal air cools down again, it can intake 100% humid air which may cause corrosion.

METHOD OF COMPLIANCE:

To eliminate this condition, the motor must be sealed much more effectively and the following instructions should be used on the next maintenance of the motor.

(1) PIPE THREAD SEALANT - Use to seal threads of access covers to motor brushes.

(2) SEALANT -(High shear) Seal between motor & pump mounting base. Fill gap around spacers used to locate motor to pump base, around wires and the grommet.

SEALANT -(Low shear) seal under thru bolts, washers, and between motor end caps.

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RECOMMENDED SEALANTS (CESSNA)

(A) Kit P/N SK 210-56K (6 Month Self Life)(6 oz. tube)

(1)(Low shear) P/N 6611GC202B2 (2 Hr working time,
24 Hr. cure @ 77 degrees,50% humidity)

(2)(High shear) P/N CP890 KTB2 (2 Hr working time,
24 Hr. cure @ 77 degrees,50% humidity)

(B) Kit 210-101 (6 Month Self Life) (2.5 oz.tube)

(1)(Low shear) 2611GC200 B 1/2 (1/2 Hr working time,
18 Hr cure @ 77 degrees,50% humidity)

(2)(High shear) 2611GC408 B 1/2 (1/2 Hr work time,
45 Hr cure @ 77 degrees, 50% humidity)

(3) Coat complete motor assembly with neoprene (N-700A) (GACO) sealant.

NOTE: It will be necessary to loosen parts to seal effectively. Sealants may be purchased as kits or individual tubes. Sealed areas to stand up to 10 PSI. Equivalant sealants may be used.

SHOP HOURS REQUIRED: 1 - 2 Hours.

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