



## **AWAL Maintenance Direction No: 16-001**

**Issued pursuant to CAR 38(1)**

### **On-going Airworthiness of Hamilton Standard Hydromatic Propellers and AD/PHS/10**

The AWAL board has approved the following Maintenance Direction for the continued airworthiness of Hamilton Standard Hydromatic propellers and compliance with CASA AD/PHS/10.

#### **Background.**

Owners and operators of Limited Category aircraft fitted with Hamilton Standard Hydromatic propellers have questioned the 6 year compliance time for AD/PHS/10. The DSA AWAL undertook a survey of a good cross section of owner/operators of aircraft fitted with the propellers to ascertain the approximate number of propellers affected and the results of previous AD/PHS/10 compliance.

The survey identified 40 odd propellers and 66 inspections in 25 years, there was no record of corrosion being found under the Teflon strips.

CASA's own Service Difficulty Reporting system only shows one report of corrosion under the Teflon strips in 1995.

#### **AWAL Requirement.**

If the propeller fitted to your aircraft is a propeller described in the 'Applicability' section of CASA AD/PHS/10, then carryout the 'Requirements' of that AD within 12 years of the last AD/PHS/10 compliance and then every 12 years thereafter.

*Note: This AWAL Maintenance Direction does not apply to any aircraft that is flown off salt water.*

Additional to any other servicing or maintenance requirement. At every 'Annual' inspection, utilising a 10X magnifying lens, carryout an extensive visual inspection of the propeller blades, concentrating on the visible blade shank area for any signs of corrosion. If any corrosion is evident that could have originated from under the Teflon strips, then the requirements of CASA AD/PHS/10 must be carried out prior to further flight.

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13<sup>th</sup> January 2017