



MINISTERIO DE OBRAS
PUBLICAS Y TRANSPORTES

DIRECCION GENERAL DE AVIACION CIVIL

**AIRWORTHINESS
DIRECTIVE**

NUMBER:

05/91 R1

SHEET:

1/2

AFFECTED PRODUCT: Hamilton Standard propellers model 14RF21, installed on aircraft CASA models CN-235 and CN-235-100 in one of following categories:

- a) New propellers, with s/n 900710 and up.
- b) Spare propellers and transfer tubes, delivered after 1 July 1.990.
- c) Repaired propellers and propeller control units, before installation on an aircraft.

MANUFACTURER: HAMILTON STANDARD

ISSUE DATE: 25 May 1991

REFERENCE: Alert Service Bulletin n° 14RF-21-61-A33 revision 1, issued by Hamilton Standard, dated 20 May 1.991, or later FAA approved revisions.

EFFECTIVE: Upon reception.

DESCRIPTION: To prevent extreme wear of the ballscrew quill P/N 782284-1, which might result in the inability to change blade pitch, inspection of this element is required for all Propeller Control Units (PCU,s) operating with a titanium nitrided transfer tube (P/N 784525-4), following referenced document. If the inspection criteria from this document (visual inspection and radial displacement measurement) are not met, the element must be discarded and replaced.

THIS AIRWORTHINESS DIRECTIVE IS A TRANSLATION FROM THE SPANISH ORIGINAL ISSUE.



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DE
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COMPLIANCE SCHEDULE

When the affected element has more than 200 hours, inspection must be carried out within the next ten (10) flight hours. For units with less than 200 hours, when 200 hours have been accumulated. Subsequent inspections must be performed in accordance with the following schedule until replacement transfer tubes are available:

MEASURED RADIAL DISPLACEMENT	OPERATING TIME LIMIT
Less than or equal to 0.003 in.	200 hr.
Greater than 0.003 in., but less than 0.005 in.	100 hr.
Greater than 0.005 in	0. Replace

The replaced elements can operate for 200 hr. prior to inspection. PCU,s inspected to the requirements of the original issue of this AD do not need to be reinspected if the criteria of this revision were met. Otherwise, they must be reinspected within the next ten (10) flight hours.

ADDITIONAL INFORMATION:

For further information contact:
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LA CUMPLIMENTACION DE ESTA DIRECTIVA DEBE ANOTARSE EN EL CUADERNO DE LA AERONAVE, MOTOR O HELICE, SEGUN CORRESPONDA, POR LA ENTIDAD QUE LA HAYA INCORPORADO.

EL DIRECTOR GENERAL,