



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

CIVIL AVIATION DEPARTMENT
MINISTRY OF TOURISM AND CIVIL AVIATION
Male'
Republic of Maldives

AIRWORTHINESS DIRECTIVE

No. CAD/2005/01R1
April 08, 2007

APPLICABILITY

Applies to all DHC-6 "Twin Otter" aircraft
Models - All
Serial Numbers - All

SUBJECT

Engine Vibration Isolator Failures

REASONS

Service experience has indicated that Engine Vibration Isolator failures occur occasionally during landing at rough water conditions.

This directive has been revised to reflect the incorporation of corrective action, for prevention of engine vibration isolator failures, into the Maintenance Manuals (PSM 1-6-2 & PSM 1-63-2), Inspection Requirements Manual (PSM 1-6-7) and the EMMA Inspection Work Cards (PSM 1-6-7 IC) by Viking Air Limited, the Type Certificate holder.

ACTION

In order to prevent Engine Vibration Isolator failures, accomplish the following:

1. **Initial inspection:** Unless otherwise previously complied, operator shall carry out an Overhaul Check (involves Fluorescent Penetrant Inspection) of the engine vibration isolators, in accordance with the Aircraft Maintenance Manual (currently these instructions are contained in TR 122 to PSM 1-6-2 and TR 71-15 to PSM 1-63-2), of;
 - a. entire fleet within 90 days after the effective date of this directive.
 - b. any newly introduced aircrafts in to the fleet prior to utilisation of the aircraft for commercial operations.
2. **Subsequent inspections:** Within 45 days after the effective date of this directive, incorporate in to the operator's Maintenance Programme, the continued airworthiness corrective action on engine vibrator isolator contained in the following publications issued by Viking Air Limited.
 - a. PSM 1-6-7 (IC) "EMMA Inspection Work Cards" and PSM 1-6-7 "Inspection Requirements Manual", Revision 12 (March 12, 2007) or later revision.



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Continued...

COMPLIANCE

Compliance is required as specified above.

EFFECTIVITY

This revision supersedes Airworthiness Directive CAD/2005/01 which was issued on March 02, 2005.

This Directive becomes effective from April 08, 2007.

Mahmood Razee
EXECUTIVE DIRECTOR