

OCCURRENCE REPORT: 67622

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FSIS 67622 02 MAR 1982 AIR ACCIDENT

Status: supplemental sent

ED 02/MAR/1982 17:34

Unclassified

1. Injury Level: No Injury

2. Aircraft/Operated By: CC130316

3. Aircraft Ownership: 435 SQN / 17 WING / 3435 /

4. A. Location: - GOOSE BAY -

Latitude: N53-19

Longitude: W060-26

4. B. Date/Time: 021500Z MAR 1982

4. C. Phase of Flight: LANDING - ROLLOUT

5. Damage Level: Serious - Major component / 3rd line maint

7. Mission Type: TRANSPORT AND COMMUNICATIONS, TALEX (INCLUDES HELOS)

8. Description: WHEN THE NOSEWHEEL WAS LOWERED TO THE RUNWAY FOLLOWING A NORMAL LANDING, A THUMP WAS FELT.

20. Component Information: WUC: AHDA SER NUM: NSN: TSN: TSO: TSI: TSII: , Part List:

22. A. Investigation: THE NOSEWHEEL STEERING MECHANISM APPEARED TO BE JAMMED. DIRECTIONAL CONTROL WAS MAINTAINED WITH DIFFERENTIAL PROPELLER POWER. WHEN THE AC STOPPED ON THE RUNWAY, A VISUAL INSPECTION REVEALED THAT THE NOSE OF OLEO WAS FLAT AND THE LH STEERING ACTUATOR HAD BROKEN AWAY FROM ITS MOUNT. THE ENGINES WERE SHUTDOWN AND THE AC TOWED TO THE HANGAR.

23. Cause Factors: MATERIEL AIRFRAME UNDETECTED PROGRESSIVE BREAKDOWN *** FINDINGS ***
NOSE LANDING GEAR CYLINDER ASSY FAILED DUE TO FATIGUE.

24. Preventive Measures: (SEE DETAILED DESCRIPTION) *** PREVENTIVE MEASURES ***

1. AN INSPECTION REQUIRING A CORROSION AND MAGNETIC PARTICLE INSPECTION OF THE CYLINDER ASSY EVERY PERIODIC INSPECTION HAS BEEN INSTITUTED. 2. AN IMPROVED NLG ASSY HAS BEEN DESIGNED TO ELIMINATE THE STRESS RELATED PROBLEMS OF THE PRESENT STRUT ASSY. THE NEW STRUTS WILL BE OBTAINED ON AN ATTRITION BASIS.