

UNCLASSIFIED

MSG DTG 231445Z JUN 10

FROM COMMANDER, AMCOM, REDSTONE ARSENAL, AL //AMSAM-SFA//

**SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM),
INFORMATIONAL, ALL OH-58D SERIES AIRCRAFT, VECTOR OVERHAULED
ROLLS ROYCE MODEL 250 ENGINES, H-58-10-AMAM-12**

NOTE

This message is effective until rescinded or superseded.

NOTE

This message is issued IAW AR 750-6 and has not been officially transmitted to units subordinate to addressees. Commanders of Army Commands (AC), Army National Guard (ARNG), United States Army Reserve (USAR), Army Service Component Commands (ASCC), and Direct Reporting Units (DRU) will immediately retransmit this message to all subordinate units, activities or elements affected or concerned, and immediately confirm this re-transmittal by notification to the AMCOM SOF Compliance Officer at "safeadm@conus.army.mil".

NOTE

A listing of published safety messages, to include TAMMS Reports, Inspection Reports, and any Supplements/Addendums required by this message can be downloaded at: "<https://asmprd.redstone.army.mil>". This is a secure website which requires an Army Knowledge Online (AKO), "<https://www.us.army.mil>", user ID and password.

1. SUMMARY -

1.1. Background - Three (3) Rolls Royce Model 250-C30R/3M Engines and one (1) 250-C30R/3 Engine have had Compressor Sections seize during engine start. All four engines were overhauled by Vector Aerospace between Aug 2008 and Apr 2010 and all engines seized with less than 80 hours Time Since Overhaul (TSO). Teardown analysis indicates bonding agent debris had accumulated on the Compressor Knife Seals (located aft of the Compressor Impeller). This debris seized the Compressor Section Rotor and prevented the assembly from rotating during engine start. Engineering analysis to date does not indicate a flight risk for the installed engines previously overhauled by Vector Aerospace. Removal of the Vector Overhauled Engines IS NOT recommended at this time.

Failure Analysis is ongoing and it is anticipated a follow-on message is expected with additional guidance and instructions.

1.2. Message Purpose -

1.2.1. Review spare engine logbooks to determine last overhaul facility.

1.2.2. Provide prioritization guidance for Vector Aerospace overhauled engine installation.

2. **END ITEMS AFFECTED** - All OH-58D series aircraft.

3. **ASSEMBLIES/COMPONENTS/PARTS AFFECTED** -

Suspect Assemblies/Components/Parts -

Nomenclature	PN	NSN
Engine, Aircraft, Turbo-Shaft	23065550	2840-01-444-3770

4. **INITIAL AIRCRAFT TAMMS (THE ARMY MAINTENANCE MANAGEMENT SYSTEM) ENTRY** - N/A.

5. **COMPLIANCE REPORTING REQUIREMENTS** - N/A.

6. **SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS (AIRCRAFT)** - N/A

7. **TECHNICAL PROCEDURES/INSTRUCTIONS** -

7.1. Review spare engine logbooks to determine the last overhaul facility/contractor.

7.2. If available, engines overhauled by a Rolls Royce authorized maintenance center OTHER THAN "VECTOR AEROSPACE" should be used first.

7.3. If necessary, unit should only use VECTOR AEROSPACE Overhauled Engines with MORE than 200 HRS TSO.

7.4. If VECTOR AEROSPACE Overhauled Engines with MORE than 200 HRS TSO are NOT available, only use Vector Aerospace Engines overhauled BEFORE Aug 2008 or AFTER Apr 2010.

7.5. Engines overhauled by VECTOR AEROSPACE between Aug 2008 and Apr 2010 with LESS THAN 200 HRS TSO are only to be used if the options in para 7.2., 7.3., and 7.4. are not feasible.

8. **PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES)** - N/A.

9. **SPECIAL TOOLS AND FIXTURES REQUIRED** - N/A.

10. **SUPPLY/PARTS (REQUISITION/DISPOSITION)** - N/A.

11. **MAINTENANCE APPLICATION** -

11.1. Category of Maintenance - AVUM.

11.2. Estimated Time Required to complete inspection - Total of 0.5 man-hour using 1 person.

12. PUBLICATION REQUIREMENTS -

- 12.1. References -
 - 12.1.1. AR 750-6.
 - 12.1.2. DA Pam 738-751.
 - 12.1.3. TM 1-2840-263-23.
- 12.2. Publication Changes - N/A.

13. POINTS OF CONTACT -

- 13.1. Technical POCs -
 - 13.1.1. Primary - Mr. Joe Wathen, DSN 788-2499 or (256) 842-2499. Email: "joe.wathen@us.army.mil".
 - 13.1.2. Alternate - Mr. Lon Stanger, DSN 897-4304 or (256) 313-4304. Email: "lon.stanger@us.army.mil".
- 13.2. Project/Product Manager's (PM) Office POCs -
 - 13.2.1. Logistics (Primary) - Mr. Mike Kuenzli, DSN 897-4564 or (256) 313-4564. Fax: DSN 645-7125 or (256) 955-7125. Email: "michael.kuenzli@us.army.mil".
 - 13.2.2. Logistics (Alternate) - Mr. Chuck Wright, DSN 645-7077 or (256) 955-7077. Fax: DSN 645-7125 or (256) 955-7125. Email: "charles.d.wright1@us.army.mil".
 - 13.2.3. Engine Team Lead (IMMC) - MS. Linda King, DSN 897-1316 or (256) 313-1316. Fax: DSN 645-7125 or (256) 955-7125. Email: "linda.kay.king@us.army.mil".
- 13.3. Forms and Records POCs -
 - 13.3.1. Primary - Ms. Ann Waldeck, DSN 746-5564 or (256) 876-5564. Email: "ann.waldeck@conus.army.mil".
 - 13.3.2. Alternate - Mr. David Derbort, DSN 746-5151 or (256) 876-5151. Email: "david.derbort@conus.army.mil".
- 13.4. AMCOM Safety POCs -
 - 13.4.1. Primary - Mr. William (Bill) Kennedy, DSN 788-8630 or (256) 842-8630. Email: "william.kennedyjr@us.army.mil".
 - 13.4.2. Alternate - Mr. Don Swallow, DSN 788-8641 or (256) 842-8641. Email: "donald.swallow@conus.army.mil".
- 13.5. Foreign Military Sales POCs -
 - 13.5.1. Primary - Mr. Tom Gibson, DSN 788-1077 or (256) 842-1077. Email: "thomas.b.gibson@us.army.mil".
 - 13.5.2. Alternate - Mr. Robert Dubose, DSN 788-1068 or (256) 842-1068. Email: "robert.dubose@conus.army.mil".
- 13.6. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or (256) 313-2066/7.