

DATE

TOP SECRET

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TO :  
FROM :  
ACTION:  
INFO :

IN-64506

OSA 1-20

TO

TOP SECRET 010342Z CITE

CITE

25X1

PRIORITY

25X1

IDEALIST MAINT LOGS

1. RECOMMEND THE FOLLOWING ACTIONS BE TAKEN TO CLEAN UP THE ENGINE SITUATION:

A. ALL ENGINE RECORDS BE REVIEWED AND ANY ENGINE WITH A TURBINE HISTORY INDICATING REMOVAL FOR OVERHAUL DUE TO OVERTEMP BE WITHDRAWN FROM SERVICE UNLESS RECORDS INDICATE TURBINE DISC REPLACEMENT. (FYI TURBINE HISTORY RECORD FOR 611434 SHOWS TURBINE DISCS ONE AND TWO HAD BEEN SUBJECTED TO OVERTEMP IN F-106 INSTALLATION)

B. INSPECT ALL ENGINES FOR SHINGLING ON POST FLIGHT. INSP TO BE ACCOMPLISHED BY ENTERING TAIL PIPE. A LOCALLY MANUFACTURED CONTOUR BOARD SHOULD BE PLACED IN TAIL PIPE TO PREVENT DAMAGE AND DISTRIBUTE WEIGHT. THIS REQT TO BE RE-EVALUATED SUBSEQUENT TO INSTALLATION OF NEW NO 1 DISCS.

C. P-17 ENGINE CONVERSIONS NOT BE FLOWN ON OVER-FLIGHTS

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GROUP 1 EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

25X1

[REDACTED]

(IN-64506)

T O P S E C R E T

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UNTIL NO 1 DISCS HAVE BEEN REPLACED OR [REDACTED] POSITIVELY CONFIRMS FAILURE IN 611434 DUE TO SHINGLING.

25X1

D. REPLACE PRESENT THREE POSITION FUEL CONTROL SELECT SWITCH WITH TWO POSITION TO HELP PRECLUDE INADVERTANT SELECTION OF EMERGENCY POSITION ON START.

E. INCREASE MINIMUM START RPM TO 16 PERCENT IF [REDACTED] CONFIRMS THIS WOULD REDUCE RISK OF POSSIBLE OVERTEMPERATURE DURING START.

25X1

F. DELETE REQUIREMENT FOR FULL POWER TAKE-OFFS FROM -6 TEST FLIGHT PROCEDURES.

G. LIMIT ALL TAKE-OFFS TO GATE POWER.

2. FOR HQ RECOMMEND IMMEDIATE ADOPTION OF THESE PROCEDURES AND RELEASE OF ACFT FOR FLIGHT. REF PARA 1D, THIS IS A "MURPHY" ITEM AND SHOULD NOT BE CONSIDERED A REQUIREMENT FOR RELEASE OF AIRCRAFT.

3. A NO 1 DISC REPLACEMENT PROGRAM SHULD BE ESTABLISHED AS SOON AS POSSIBLE WITH PRIORITY GIVEN ENGINES IN THE FOLLOWING ORDER:

- A. ENGINES WITH TURBINE DISC HISTORIES OF OVERTEMP.
- B. P-17 ENG CONVERSIONS
- C. P-19W ENG CONVERSIONS
- D. P-2 ENG CONVERSIONS

25X1

REQUEST [REDACTED] GATHER ALL REQD INFO AND ESTABLISH SCHED FOR REVIEW BY HQTS.

T O P S E C R E T TOR: 010626Z JUL 66