

4 DECEMBER 2003



Maintenance

JOINT OIL ANALYSIS PROGRAM (JOAP)

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

NOTICE: This publication is available digitally on the AFDPO WWW site at:
<http://www.e-publishing.af.mil>

OPR: 89 ASD/MDMN (Mr. Patrick Cole)
Supersedes 89 AWI 21-124, 15 February 2001

Certified by: 89 MXG/CC (Col David B. Lee)
Pages: 4
Distribution: F

This instruction implements local 89 Andrews Support Division operating procedures and requirements for all agencies participating in the Joint Oil Analysis Program (JOAP). The purpose is to assure all requirements are complied with in accordance with this instruction and guidelines set forth in AFI 21-124, AFOSH Standard 91-110 and T.O. 33-1-37-1/-2/-3/-4.

SUMMARY OF REVISIONS

This document is substantially revised and must be completely reviewed.

This publication substantially revises 89 AWI 21-124, JOAP, 15 February 2001. A purpose paragraph has been added and changes have been made to the paragraph numbering sequence. Paragraphs **2.1.1.**, **2.1.3.**, **2.1.4.**, **2.2.** and **2.2.6.** also have substantial changes. The previous **Attachment 1**, component change notification is now **Attachment 2**, **Attachment 1** is now the glossary of references and supporting information which is an addition to this publication.

1. General. The success of this program depends upon the cooperation of all supported units and the integrity and accuracy of the oil samples and associated paperwork submitted for analysis.

2. Responsibilities:

2.1. The JOAP lab supervisor will:

2.1.1. Operate and maintain the program as outlined in AFI 21-124. JOAP lab hours of operation will be 0730 - 2400 Monday through Friday, with on-call coverage from 0001-0730. On weekends and holidays contact the maintenance operations center at 301-981-2211 for assistance.

2.1.2. Notify the production supervisor and the owning organization JOAP monitor of any abnormal readings and request a special (red cap) sample. All red caps will be analyzed and results known within 30 minutes of submission to the JOAP Lab.

2.1.3. Maintain a listing of JOAP monitors (primary and alternate) from all 89 AW customers, to include host and tenant organization.

2.2. The DynCorp Aircraft/Helicopter Branch will:

2.2.1. Designate by letter to the JOAP lab a primary and alternate JOAP monitor. They will act as points of contact for the JOAP lab in any transaction requiring their assistance.

2.2.2. Ensure personnel selected as monitors understand wear metal guidelines and sampling procedures as prescribed in T.O. 33-1-37 Vol 1 and 3.

2.2.3. Provide the JOAP lab with a quarterly listing of installed engines and other oil-wetted components.

2.2.4. Monitors will inform JOAP Lab by facsimile 301-981-1954, of any changes to installed oil-wetted components utilizing [Attachment 2](#).

2.2.5. Ensure delivery of oil samples to the JOAP lab prior to 2400 hrs local for same day results if required. Samples received after 2400 hrs will be analyzed at 0700 hrs the next duty day.

2.2.6. Notify the production supervisor of any samples left in the JOAP drop box outside the NDI/JOAP lab, building 1791 after normal duty hours. The production supervisor will notify standby personnel if samples need to be analyzed immediately to meet mission requirements.

2.2.7. Ensure a red X is entered in the aircraft's AFTO Form 781A, when a red cap sample is required to verify excessive wear metal readings IAW TO 00-20-1.

2.2.8. Mark all red cap samples with a red marker on both the envelope and the sample bottle. Deliver all red caps to the JOAP lab within 30 minutes of notification.

2.2.9. Route all AFTO Forms 781 through the aircraft documentation section or plans & scheduling to verify engine serial number, overhaul time and time since last oil change during all records checks.

2.2.10. Obtain approval from the 89 MXG Commander for aircraft to depart station with abnormal wear metal trends as noted by the JOAP lab.

DAVID S. GRAY, Brigadier General, USAF
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 21-124, *Air Force Oil Analysis Program*

AFOSH 91-110, *Nondestructive Inspection Methods*

T.O. 33-1-37-1/-2/-3/-4, *Joint Oil Analysis Program Manual*

Abbreviations and Acronyms

AFOSH—Air Force Occupational Safety and Hazard Standard

89 AW—89th Airlift Wing

T.O.—Technical Order

Attachment 2

COMPONENT CHANGE NOTIFICATION

ATTENTION

DYNCORP JOAP LABORATORY

COMPONENT CHANGE NOTIFICATION

Organization_____

Type A/C_____

A/C Serial #_____

Type Component_____

Serial # of component removed_____ Date Removed_____

Serial # of new component_____ Date installed_____

Disposition of component (i.e. sent to depot)_____

When a new oil wetted component is installed, send a facsimile to the JOAP lab at 301-981-1954 with all the information filled in.

JOAP MONITOR_____ DATE_____