

SAMPLE

INSPECTION PROGRAM

L-39C ALBATROS

MANUFACTURED BY

AERO VODOCHODY, CZECHOSLOVAKIA
SERIAL NUMBER: 930202
REGISTRATION NUMBER: NC00L

REGISTERED OWNER

John Mc Avoy
79 Polaris Ct.
Milpitas, CA 95035

TABLE OF CONTENTS

TABLE OF CONTENTS 2

LIST OF EFFECTIVE PAGES 3

INTRODUCTION 4

METHOD OF REVISION 6

LOG OF REVISION 7

SERVICE SPECIFICATIONS 8

SAFETY 9

LIFE LIMITED ITEMS 10

ENGINE STARTING CHECK LIST 12

ENGINE RUNUP AND SYSTEMS CHECK 15

50 HOUR CONDITION INSPECTION 20

100 HOUR/CONDITION INSPECTION 21

400 HOUR INSPECTION 47

EJECTION SEAT AND CANOPY INSPECTION 48

SEAT REMOVAL 50

INTRODUCTION

Inspection WILL BE DONE IN ACCORDANCE WITH FAR 91.409 (f) AND APPENDIX D OF PART 43.

THE FOLLOWING MANUALS will be used with this inspection program to maintain L-39 serial # 930202.

- AIRFRAME AND ENGINE INSTALLATION MANUAL
- ENGINE MANUAL AI-25TL - INSTRUCTIONS FOR OPERATION
- ENGINE MANUAL AI-25TL - TECHNICAL DESCRIPTION AND INSTRUCTION FOR OPERATION
- ELECTROEQUIPMENT AND INSTRUMENTS - TECHNICAL DESCRIPTION AND INSTRUCTIONS FOR OPERATION
- FACILITIES FOR WORK-OPERATIONS ON THE AIRCRAFT AIRFRAME INCLUDING ITS INDIVIDUAL SYSTEMS
- ARMAMENT AND RESCUE SYSTEM

THE CONDITION AND INSPECTION PROGRAM INCLUDES:

1. ENGINE RUNUP AND SYSTEMS CHECK
2. CONDITION INSPECTION EACH 50 HOURS
 - (a) SPECIFIED WORK OPERATIONS AND INSPECTIONS AT 100 HRS
 - (b) SPECIFIED WORK OPERATIONS AND INSPECTIONS AT 400 HRS
3. CONDITIONAL INSPECTION
4. EJECTION SEAT AND CANOPY MAINTENANCE
5. POST INSPECTION RUNUP AND SYSTEMS CHECK

CONDITIONAL INSPECTION

A CONDITION INSPECTION WILL BE COMPLETED WITHIN THE PRECEDING 12 CALENDAR MONTHS. THIS CONDITION INSPECTION WILL BE THE MINIMUM OF A 100 HOUR INSPECTION; BUT MAY ALSO INCLUDE THE 400 HOUR INSPECTION DEPENDING ON THE REQUIREMENTS OF THE AIRCRAFT TIME.

ALL INSPECTIONS APPROVED UNDER THIS PROGRAM WILL BE PERFORMED TO ENSURE THE AIRCRAFT TO BE IN A CONDITION FOR SAFE OPERATION. THE INSPECTION WILL BE PERFORMED IN ACCORDANCE WITH THE PROCEDURES OF THE PROGRAM.

THE FOLLOWING STATEMENT WILL BE ENTERED IN THE AIRCRAFT AND ENGINE LOG AFTER EACH CONDITIONAL INSPECTION:

I certify that this aircraft has been inspected in accordance with the scope and detail of the SJC FSDO approved L-39 Albatross, NC00L, serial number 930202. Inspection program dated 02 Feb 2000, and found to be in a condition for safe operation.

Date _____

Aircraft Total Time _____

Signature _____

Certificate # _____

Type of Inspection _____

This aircraft is owned by _____.

The director of maintenance for this aircraft is:

Czech Jet, Inc.
Minh Venator
Director of Maintenance
90 Skylane Dr. #5
Hollister Airport, CA 95023
(408) 394-4213
A&P # 080569563

L39 METHOD OF REVISION

REVISIONS OF THIS MANUAL DEEMED NECESSARY BY THE DIRECTOR OF MAINTENANCE WILL BE SUBMITTED TO THE LOCAL FSDO OFFICE FOR APPROVAL.

THE FSDO APPROVED REVISION WILL THEN BE INSERTED IN THE ORIGINAL FSDO APPROVED MANUAL.

REVISIONS WILL BE ENTERED IN THE REVISION LOG; WHICH WILL LIST THE REVISION NUMBER, DATE, PAGE, SUBJECT AND INITIALS OF PERSON MAKING THE INSERTION.

ACCEPTABLE SERVICE SPECIFICATION

FUEL JET A

MAIN ENGINE OIL ROYCO 481 MIL SPEC L6081C

SAPPHIRE ENGINE OIL ROYCO 481MIL SPEC L6081C

TURBO COOLER MOBIL JET OIL II - SYNTHETIC OIL

AIR STARTER MOBIL JET OIL II - SYNTHETIC OIL

GREASE:

WHEEL BEARINGS AEROSHELL #5

FLAP TRACKS AND SIMILAR APPLICATIONS LUBRIPLATE 630

..... AEROSHELL #22

..... AEROSHELL #17

HYDRAULIC FLUID AEROSHELL FLUID #4 , MIL SPEC 5606

SAFETY

1. GROUND THE AIRCRAFT AT THE MAIN LANDING GEAR TOR RINGS. STATIC ELECTRICITY COULD CAUSE A FIRE. AN EXPLOSION, SET OFF PYRO CARTRIDGES, OR ANY COMBINATION OF THE ABOVE.
- GROUND THE AIRCRAFT -

2. CONFIRM THE STATUS OF THE EJECTION SEATS AND CANOPY IN BOTH THE FRONT AND AFT COCKPIT AS SOON AS THE ENGINE IS SHUT DOWN. INSTALL ALL SAFETY PINS IN FIRING MECHANISMS OF PYROCARTRIDGES IF SEATS ARE ARMED.

AFTER THE PILOT HAS EXITED THE AIRCRAFT, CLOSE AND LOCK THE CANOPIYS.

CONFIRM WARNING PLACARDS ARE LEGIBLE AND IN GOOD CONDITION.

3. PRIOR TO MOVING OR WORKING ON THE AIRCRAFT, CONFIRM FRONT COCKPIT LANDING GEAR CONTROL IS IN THE DOWN POSITION AND THE LANDING GEAR CONTROL IN THE AFT COCKPIT IS IN THE NEUTRAL OR DOWN POSITION.

4. CONFIRM 5 EMERGENCY LEVERS ARE IN THE FORWARD POSITION.
 1. LANDING GEAR EXTENSION
 2. FLAP EXTENSION
 3. RAM JET TURBINE
 4. HYDRAULIC SYSTEM
 5. SPEED BRAKE ACTUATOR

5. REDUCE HYDRAULIC PRESSURE TO 0 (ZERO) PRIOR TO WORKING IN OR NEAR THE GEAR WELLS, DIVE BRAKES, OR BEFORE WORKING ON ANY HYDRAULIC COMPONENTS.

6. DO NOT ALLOW OIL, FUEL, KEROSENE, OR ANY CLEANING FLUID TO COME IN CONTACT WITH THE OXYGEN INSTALLATION. THIS COULD CAUSE AN EXPLOSION OR FIRE.

7. EJECTION SEATS:

DO NOT ATTEMPT TO REMOVE CARTRIDGES FROM FIRING CHAMBERS OR ATTEMPT TO REMOVE EITHER SEAT FROM THE AIRCRAFT WITHOUT FIRST CONSULTING A TECHNICIAN TRAINED IN THIS AREA THAT HAS HAD PRIOR EXPERIENCE REMOVING AND INSTALLING THESE SEATS. CONSULT THE ARMAMENT AND RESCUE SYSTEM MANUAL.

L39 LIFE LIMITED ITEMS

ENGINE STARTING CHECKLIST

ENGINE RUNUP AND SYSTEMS CHECK

50 HOUR Condition INSPECTION

100 HOUR INSPECTION/CONDITION INSPECTION

(SAMPLE OF INSPECTION CRITERIA FOR 100 HOUR INSPECTION)

ZONE 5 - RIGHT WING Continued

- 71. INSPECT BRAKE ASSEMBLY
 - a. GENERAL CONDITION _____
 - b. BRAKE PAD WEAR _____
 - c. BRAKE DISCS FOR WEARS OF CRACKS _____
 - d. HYDRAULIC LEAKS _____
 - e. INTEGRITY OF ANTI-SKID SYSTEM _____

- 72. INSPECT HYDRAULIC, FUEL AND PNEUMATIC LINES FOR:
 - a. GENERAL CONDITION _____
 - b. SECURITY OF ATTACHMENT _____
 - c. CORROSION _____
 - d. LEAKS _____

- 73. INSPECT PITOT STATIC SYSTEM
 - a. PITOT TUBE FOR GENERAL CONDITION AND SECURITY _____
 - b. CHECK HEAT ELEMENT _____
 - c. INSPECT PITOT STATIC LINES FOR SECURITY AND ATTACHMENT _____
 - d. INSPECT AND DRAIN ANY WATER FROM MOISTURE TRAPS IN GEAR WELLS _____
 - e. CONDUCT PITOT STATIC CHECK AFTER MOISTURE TRAPS ARE SECURED _____

- 74. INSPECT TIP TANK
 - a. GENERAL CONDITION _____
 - b. ATTACHMENT TO WING _____
 - c. QUICK DRAIN FOR FUNCTION AND LEAKS _____
 - d. FILLER GASKET CONDITION _____
 - e. SECURITY OF FUEL LINES _____
 - f. FIBERGLASS TAIL CONE FOR CONDITION AND ATTACHMENT _____
 - g. FOR LEAKS _____

- 75. INSPECT NOSE SECTION OF TIP TANK
 - a. FUNCTIONAL CHECK OF LANDING-TAXI LIGHT _____
 - b. FUNCTIONAL CHECK OF NAVIGATION LIGHT _____
 - c. WIRE BUNDLES AND CANON PLUG CONDITION _____

**400 HOUR INSPECTION
EJECTION SEATS AND CANOPY
SEAT REMOVAL**