

MUKAMALAH AVIATION COMPANY LIMITED (MAC)
LEONARDO S.P.A. AW139 AIRCRAFT INSPECTION PROGRAM
05-05-900 AW139 / PT6C-67C 900 HOUR / 1 YEAR CHECK

Tail Number	Eng. Pos'n	Engine Serial Number	Engine T.S.N.	SAP Order Number	Work Order Number
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Instructions

1. Each listed inspection and/or maintenance function is to be performed in accordance with the publications listed in the current AW139 Technical Publications Index.
2. This inspection must be performed every 900 hours / 1 year.
3. Each section / item must be initialed or stamped by the mechanic and inspector (if applicable) performing the inspection.
4. All personnel (mechanics, inspectors, shops, etc) who will be signing off any part of the check are required to enter their printed name and company ID with stamp imprint (or certificate number if work is not being performed by repair station) on the last page of this document.
5. Enter all discrepancies found and the corrective action taken on repair station or operator non-routine forms. On this inspection form, write **YES** or **NO** in the box under **Work Required** column for each section / item. If work was required and **YES** was written in the **Work Required** box, also indicate the Non-Routine number that the work was performed under.
6. At the completion of each inspection form, a qualified & authorized mechanic shall check the entire form for proper completion and then enter his signature, company ID number (or certificate number if work is not being performed by repair station), date and repair station certificate number (if applicable) in the space provided at the end of the form.
7. Enter the Man Hours for each completed line item in the MHRs column.
8. Items designated Clearance To Close (CTC) in the Inspectors column can be signed using the company ID number (or certificate number if work is not being performed by repair station) by any qualified mechanic.

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1. ENGINE					
ITEM	TASK	MECH	INSP	WORK REQD Yes / No	MHRS
1. Exhaust Duct	Visually check for cracks, distortion and corrosion.				
2. Gas Generator Case	Visual check for cracks, distortion and corrosion.				
3. Electrical Wiring Harnesses	Visual check for evidence of chafing, cracks, corrosion and wear. Do a security check to verify connector security (Ref. 73-20-40, Electrical Wiring Harness - MAINTENANCE PRACTICES)				
4. Tubing and Painted Casings	Visual check for cracks, distortion, corrosion, and security of connections, clamps, and brackets. Check for evidence of chafing, cracks, corrosion and wear. Check for evidence of fuel or oil leaks as applicable.				
5. Chip Detectors	Remove and do an operational check. Clean using lint free cloth (Ref. 79-30-01).		RII		
6. Fuel Filter	Remove fuel filter and replace with a new one (Ref. 73-20-00).		RII		
7. EEC/Fuel Management Module	Do a manual mode response check by verifying smooth control response to PLA inputs and do an operational check of the alternate (PLA) engine shutdown system. Ref. AW139 AMP 39-A-76-11-00-00A-320A-A CAUTION: THE MANUAL MODE TESTS ARE NECESSARY TO MAKE SURE THE ENGINE CONTROL SYSTEM FUNCTIONS PROPERLY IN MANUAL MODE AND BECAUSE THE ENGINE RESPONSE IS CONTROLLED BY THE PILOT, CAUTION IS NECESSARY TO PREVENT EXCEEDING OPERATIONAL LIMITS.		RII		

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1. ENGINE					
ITEM	TASK	MECH	INSP	WORK REQD Yes / No	MHRS
8. GMCP contract / MTD AW139-09-017	Oil Filter Replacement: Remove oil filter element and inspect (Ref. EMM 79-20-02). Filter debris: Evident _____ Not evident _____ If debris is not evident, proceed with filter replacement. If debris is evident, classify per EMM: If debris is evident in filter, perform "Debris in Oil System Inspection" ref. EMM 79-20-02 para. 7.B and indicate level of debris below: Allowable debris _____ Non-allowable debris – Category 1 _____ Non-allowable debris – Category 2 _____ Non-allowable debris – Category 3 _____ Install new oil filter element (Ref. EMM 79-20-02).				
9. MTD AW139-09-017	Oil Change: Drain engine oil and refill (Ref. EMM 72-00-00 Servicing).				
ENGINE COMPLETED					

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2. WORK COMPLETION			
TASK	MECH	INSP	WORK REQD Yes / No
Perform visual leak check of engine during run. Pay particular attention to fuel filter cover.		RII	
Complete final walkaround on aircraft to ensure all panels have been reinstalled.			
Verify completion of all associated Routine / Non-Routine Work Orders.			
Record the total man-hours for all checklist items: _____			

I certify that the AW139 / PT6C-67C 900 Hour / 1 Year Check has been performed on aircraft:

(tail number) _____, aircraft total time _____, in accordance with
 the Mukamalah Aviation Company Leonardo AW139 Aircraft Inspection Program Revision ___ and Operator Maintenance
 Manual Revision ___ and the aircraft has been determined to be in airworthy condition with respect to the work performed.

Date

Mechanic's Signature

Company ID No. or
Cert. No.

Repair Station Cert. No.
(if applicable)
