

GALAXY AEROSPACE (M) SDN, BHD, [1040262-D] Suite 11-14. Helicopter Centre, Malaysia International Aerospace C Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia Tel: +603 7734 7226 | Fax: +603 7734 7526 nal Aerosnace Centre

rgalaxyaerospace.my | enquiry@galaxyaerospace.my

WORKSHEET 

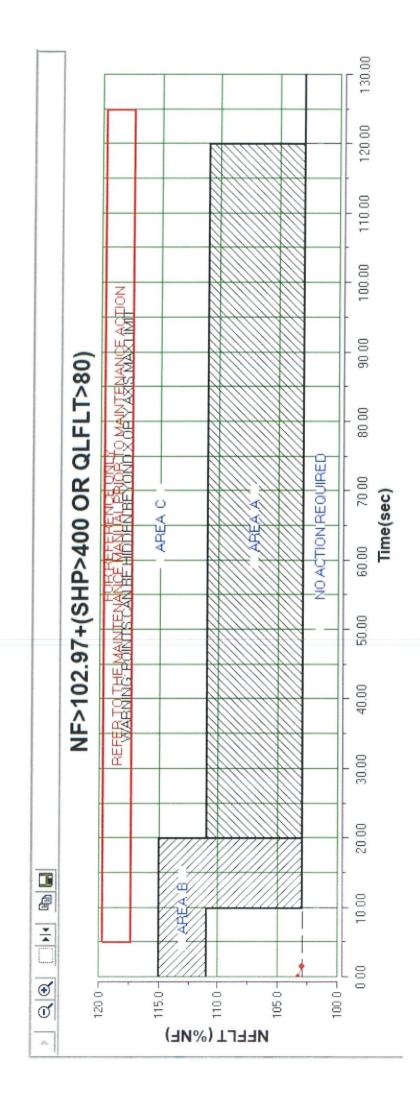
SERIAL NO HOURS LDG/CYCLE WORKSHEET NO: UMC-PMD.-23-..0.7.0 CLIENT/OWNER: ROYAL MALAYSIA POLICE 31809 1778:10 3094 WORK/INSP/DESC: UNSCHEDULE TASK AIRCRAFT AIRCRAFT TYPE: AW139 PCE-KB2112 1778:10 WORKPACK REF: NOT APPLICABLE #1 ENGINE: REGISTRATION: 9M-PMD AJL REF NO.: 01385 PCE-KB2092 1778:10 BASE/FACILITY: WMSA #2 ENGINE: SHEET: 1 OF 1 DATE IN: 22/09/23 25/09/23 NG/N1 NF/N2 Reason for raising Raised by and date: Other requirements/information: PILOT REPORTED TRANSMISSION OVER TORQUE RECORDED ON NII C.A.S. **AINUDIN** 22/09/23 \* Eng. CRS Item Description Technician Date PERFORM ENGINE DATA COLLECTION UNIT (DCU) DATA DOWNLOAD I.A.W 1. ENGINE MAINTENANCE MANUAL CHAPTER 77.40.01, ISSUE 31.0 DATED 08 MAY 2023. REMARKS: TASK CARRIED OUT AND FOUND SATISFACTORY. REFER APPENDIX 1 ATTACHED FOR DCU DATA DOWNLOAD. 2. TO RAISE TECHNICAL QUERIES TO LEONARDO HELICOPTERS FOR FURTHER ACTIONS. REMARKS: TECHNICAL QUERIES RAISED ON 22/09/23. NO FURTHER ACTIONS NEEDED AS ADVISED BY LEONARDO HELICOPTERS. REFER CLOSING NOTE IN TECHNICAL QUERIES No. PSE/TQ/2023/125573 DATED 25/09/23 ATTACHED. Galaxy Aerospace (M) Sdn. Bhd. I hereby certify the following task has been performed and found satisfactory: 1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done. Date & Time: 78 Sign & Stamp: \*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. AMQ/2016/02 \*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with and in respect to that work the aircraft / aircraft component is considered ready for release to service. ☐ TICK ✓ WHERE APPLICABLE



GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Arport, 47200 Subang, Selangor, Malaysia. Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my WORKSHEET

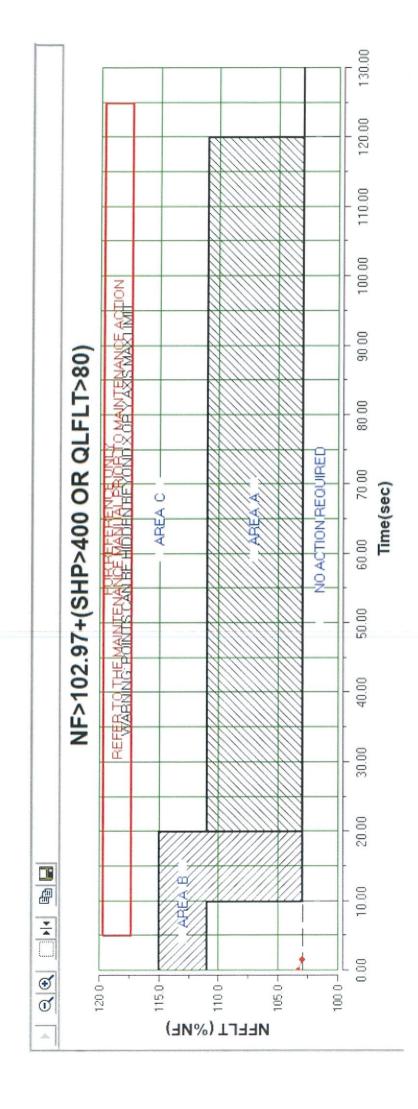
CLIENT/OWNER: ROYAL MALAYSIA SERIAL NO. HOURS LDG/CYCLE WORKSHEET NO: UMC-PMD.-23-..0.7.0 31809 WORK/INSP/DESC: UNSCHEDULE TASK POLICE 3094 AIRCRAFT AIRCRAFT TYPE: AW139 1778:10 WORKPACK REF: NOT APPLICABLE #1 ENGINE: REGISTRATION: 9M-PMD AJL REF NO .: 01385 #2 ENGINE: 1778:10 BASE/FACILITY: WMSA SHEET: 1 OF 25/09/23 DATE IN: 22/09/23 OUT: NF/N2 NG/N1 Raised by and date: Other requirements/information: PILOT REPORTED TRANSMISSION OVER TORQUE RECORDED ON NIL C.A.S. **AINUDIN** 22/09/23 Item Description Technician \* Eng. CRS Date PERFORM ENGINE DATA COLLECTION UNIT (DCU) DATA DOWNLOAD I.A.W 1. ENGINE MAINTENANCE MANUAL CHAPTER 77.40.01, ISSUE 31.0 DATED 08 MAY 2023. REMARKS: TASK CARRIED OUT AND FOUND SATISFACTORY. REFER APPENDIX 1 ATTACHED FOR DCU DATA DOWNLOAD. 2. TO RAISE TECHNICAL QUERIES TO LEONARDO HELICOPTERS FOR FURTHER ACTIONS REMARKS: TECHNICAL QUERIES RAISED ON 22/09/23. NO FURTHER ACTIONS NEEDED AS ADVISED BY LEONARDO HELICOPTERS. REFER CLOSING NOTE IN TECHNICAL QUERIES No. PSE/TQ/2023/125573 DATED 25/09/23 ATTACHED. Galaxy Aerospace (M) Sdn. Bhd. I hereby certify the following task has been performed and found satisfactory: 1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done. Sign & Stamp: Date & Time: 25 (110 \*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work AMO/2018/02 the aircraft / aircraft component is considered ready for release to service. \*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with and in respect to that work the aircraft / aircraft component is considered ready for release to service. ☐ TICK ✓ WHERE APPLICABLE

Appendix 1 Enthine 8/N: PCE-KB2112





25/4/23



Appendix 1 Exercise 5/4: PCE-KB2092



GALAXY AEROSPACE (M) SDN, BHD. [1940262-D]
Suite 11-14. Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia, Tel-+603 7734 7226 | Fax:+600 7734 7256 | www.galaxyaerospace.my | enquiry@galaxyaerospace.my

# **PARTS REPORT**



CLIENT/	OWNER: ROYAL POLICE			***************************************	AL NO.	HOURS		G/CYC	CLE		PRKSHEET NO: UN	
	T TYPE: AW139		AIRCRAFT		1809	REFER W					PKPACK PEE: NO	
REGISTE	RATION: 9M-PMD		#1 ENGINE:	-	(B2112	REFER W				VVC	REF NO.: 01385	APPLICABLE
	CILITY: WMS		#2 ENGINE:	PCE-F	(B2092	REFER W			NIT / NIO		EET: P OF	
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# **Tools Report**

Work Pack No: UMC-PM.Q-23-...70 31809 Aircraft Serial No: UNSCHEDULED AW139 DESC: Aircraft Type: Aircraft Reg: 9M-PMP. PAGE: Worksheet Ref No. / Calibration Due Date Serial Number Description Part No Item No. umc-pmo-23-070/1 2635 DPHM KIT NIL



# **Document Reference**

Document ID	PSE/TQ/2023/125573	Contact	CHE NOR AMANI HUSNA CHE HASSAN
Your Code Reference		Subject	9M-PMD S/N 31809 - TRANSMISSION OVERTORQUE
Topic	TECHNICAL	Subtopic	
Issue		Team Legal Entity	Italy

# **Contact Details**

Customer Description	GALAXY HELICOPTERS(M) SDN BHD	Customer ID	0006005700
Email	amani.galaxyaerospace@gmail.com		

# **Contacts List**

First Name	Last Name	Email	User Type
TECHNICAL	SERVICES	tech.services@galaxyaerospace.my	Engineering Officer

# **Customer Service**

Priority	AOG	Creation On (UTC)	22/09/2023	
Resolve By (UTC)	23/09/2023	Leonardo Closure Date (UTC)	25/09/2023	
Additional Note				

# Helicopter Data

ATA Code	72	Description	ENGINE: TURBINE/TURBOROP RECIPROCATING
Helicopter S/N	NC0031809	Aircraft Tail Number	9M-PMD
Helicopter Line	AW139	Helicopter Model	AW139
Repair	False		<i>,</i>

Y	
Istruction Query	

Part Number	Component S/N	Component F/H	On (Date)(UTC)
-			

Flight Hours	FH Last Update	Create date
1503,15	29/11/2022	29/11/2022

# **Ticket Description**

Dear LH,

A report has been received from maintenance crew of an overtorque condition to the transmission of 9M-PMD S/N 31809 during OEI training on 22 September 2023. Maintenance crew have downloaded MPFR data on related information and found on the following time stamp HH MM SS 24 53:44. Time-Hour 8. Time-Minute 35. Time-Second 6 with peak value of 127.1 at TQ2, the XmsnCaution XmsnOvtq showing an over torque condition. Based on IETP, AMP 39-A-00-70-00-05A-28AA-A Item 3.3, "if, with all engines operative, the TQ is 121 thru 125% for more than 10s or it is more than 125%, send the data to the Manufacturer. Then do the recommended inspections." In view of this, we seek your advise on the next course of action. Attached is the zip file for the FDR data on the overtorque condition.

Your help is highly appreciated.

Thank you.

# **History Log**

Roberto Ferrario : 23/9/2023 10:07:17 (UTC) :

Thank you

evaluation is in progress.

We'll come back to you as soon as possible.

Regards

Roberto Ferrario

CHE HASSAN CHE NOR AMANI HUSNA : 23/9/2023 06:23:03 (UTC) :

Dear Mr Roberto,

Below are the information as per requested:

a) FDR data in an excel format

Refer Attachment

o) mob unu

P/N = 3G6320A00134

S/N = AW858

F/H = 1777.22

LANDINGS = 3093

c) H/C FH and landings

F/H = 1777.22

LANDINGS = 3093

d) HC EPIC SW Phase installed

Phase 7.12

e) HC Status

AOG

Please let me know if you need more information from our side

Thank you.

Roberto Ferrario : 23/9/2023 04:45:04 (UTC)

Dear Sir,

In order to evaluate your request, we need the following details:

• In order to try to speedup the process, please provide the FDR data in an excel format with at least the NR1, NR2, IAS, TQ1, TQ2, NF1, NF2, WOW switch and XMSN OVTQ CAS msg

25/9/23 M1087

### information;

- MGB data, such as P/N, S/N, FH and landings;
- H/C FH and landings.
- · HC EPIC SW Phase installed

Please also confirm HC status (AOG, in service, maintenance, RTS/next scheduled flight)

Thank you

Best regards Roberto Ferrario

# **Closing Note**

Dear all,

the FDR analysis has been concluded confirming the reported event which lasted 6 seconds with a maximum recorded peak of 126% Eng.1 and 127% Eng.2. Based on this data, we confirm no actions are needed for this case.

Remaining at your disposal, Kind regards Francesco Sgobba

## **Ticket Attachments**

Attachment's Name	Uploading Date
FDR DATA EXCEL.xlsx	23/09/2023
9M-PMD FDR FILE.zip	22/09/2023
Ticket_PSE_TQ_2023_125573.pdf	25/09/2023

25/9/23 (M109) FF

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HOURS						
HOURS LDG START STOP START STOP 2  RECORD OF DEFECT(S), ENTER 'MIL' IF NO DEFECT FOUND SIGN						
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