


DELIVERY NOTE WP

DELIVER TO :

GALAXY AEROSPACE (M) SDN. BHD.
 CAMO DEPARTMENT
 Lot 11, MRO Centre,
 Malaysia International Aerospace Centre,
 Sultan Abdul Aziz Shah Airport,
 47200 Subang, Selangor
 Malaysia.
 Attn : Zaty Nadhira binti Mohamed Zuhari






DN NUMBER : GAM/DN/22/PMF-014
OUR REFERENCE : AJL 02011
WO REFERENCE : UMC-PMF-22-003
DATE COMPLETION: 22 JANUARY 2022
AJL NUMBER : 02011

A/C DETAILS							
A/C TYPE	AW139	A/C REG	9M-PMF	A/C S/N	31913		
OWNER / OPERATOR	ROYAL MALAYSIA FORCE	A/C TOTAL TIME	330:53	LANDINGS	671		
ENGINE #1 S/N	PCE KB2399	T.S.N	330:53	T.S.O	-		
ENGINE #2 S/N	PCE-KB2395	T.S.N	330:53	T.S.O	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
MR BLADE S/N:AW5277 SURFACE REPAIR DUE TO FOUND PEELED OFF	001	1	1	-	-	-	6
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	SYFAWATI ABDULLAH	SIGNATURE		DATE	25 JANUARY 2022		
VERIFIED AND ACCEPTED BY				AHMAD KHALIS BIN HALIMI CAMO Planner Officer Galaxy Aerospace (M) Sdn Bhd (1040262-D)			
DATE				25 JAN 2022			

- *WS – WORKSHEET
- *PR – PART REPORT
- *ARC – AUTHORISED RELEASE CERTIFICATE
- *S – SERVICEABLE LABEL
- *SBC – SERVICE BULLETIN COMPLIANCE
- *OTH – OTHERS

CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMF BASE/FACILITY: WMSA DATE IN: 17/1/22 OUT: 22/1/22	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO: UMC-PMF-22-003
	AIRCRAFT	31913	330:53	671	WORK/INSP/DESC: MIR BLADE PEELED OFF
	#1 ENGINE: PCE-KB2399	330:53	-	-	WORKPACK REF: NOT APPLICABLE
	#2 ENGINE: PCE-KB2395	330:53	-	-	AJL REF NO.: 02011
			NG / N1	NF / N2	SHEET: 1 OF 1

Reason for raising: MIR BLADE SIN: AWS277 SURFACE REPAIR C/O I.A.W IETP AW139 40 th ISSUE 2021-12-10.	Raised by and date: MAHAMOOD 19/01/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
1	CARRIED OUT MAIN ROTOR BLADE SIN: AWS277 REPAIR I.A.W AMP 39-A-62-11-01-00A-66AC-B. REFER TQ: PSE/TQ/2022/53661. BLADE STA 6100. WORK CARRIED OUT FOUND SATISFACTORY.	 8130	 	22/01/22
2	CARRIED OUT PAINT TOUCH UP I.A.W AMP 39-A-62-11-01-00A-257A-B. FOUND SATISFACTORY.	 8130	 	22/01/22

*The work recorded above has been carried out in accordance with the requirements of the Malaysian Civil Aviation Regulation for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.

*The work recorded above has been carried out in accordance with the requirements of the _____ for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.


TICK ✓ WHERE APPLICABLE

PARTS REPORT

CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMF BASE/FACILITY: WMSA DATE IN: 17/1/22 OUT: 22/1/22	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO: UMC-PMF-22-003
	AIRCRAFT	31913	330:53	671	WORK/INSP/DESC: MIR BLADE PEELED OFF
	#1 ENGINE:	PCE-KB2399	330:53	-	WORKPACK REF: NOT APPLICABLE
	#2 ENGINE:	PCE-KB2395	330:53	-	AJL REF NO.: 02011
			NG / N1	NF / N2	SHEET: 1 OF 1

REASON FOR RAISING: MIR BLADE S/N: AW5297 SURFACE REPAIR C/O I.A.W IETP AW139 40 th ISSUE 2021-12-10.	Raised by and date: MAHAMOOD 19/01/2022	Other requirements/information: NIL
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Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
Table content is crossed out with a diagonal line.									

NAME	FIRM	SIGN & APPROVAL	DATE
MAHAMOOD	GAM		19/01/2022



*The work recorded above has been carried out in accordance with the requirements of the Malaysian Civil Aviation Regulation for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.

*The work recorded above has been carried out in accordance with the requirements of the _____ for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.

TICK ✓ WHERE APPLICABLE

Main Rotor Blade Rework Event Record

AIRCRAFT S/N: 31913 VERSION: ENP TEST/FLIGHT N°: NIL AIRFRAME (Hours): 330:53

MRB P/N: 396210A00131 MRB S/N: AW5277 MRB TIME SINCE LAST STATIC BALANCE: NIL

Date	MRB FH	STA cm (in)	Reworked Type	Reworked Area cm ² (in ²)	Reworked Factor cm ³ (in ³)	Note
22/01/22	330:53	6100	SURFACE FINISHING	500	3,050,000	SATISFACTORY

ICN-39-A-621101-G-00001-18832-A-001-01



9M-PMF MAIN ROTOR BLADE(S/N: AW5277) DELAMINATION

5 messages

Ahmad Mahmood Zaki <mahmood@galaxyaerospace.my>

17 January 2022 at 12:39

To: Ezhan Izzad Mohd Nor <ezhan@galaxyaerospace.my>

Cc: hazly@galaxyaerospace.my, athirah.galaxy@gmail.com, syafrul@galaxyaerospace.my, amran@galaxyaerospace.my

Dear Ezhan,

Post flight inspection performed on 9M-PMF by maintenance crew and found main rotor blade(S/N: AW5277) delaminated as shown in attachment. Maintenance manual referred(IETP AMP 39-A-62-11-01-00A-31AA-B) and defect found to be beyond limit, request for Technical Query for further action.

Kindest Regards,
Ahmad Mahmood Zaki
LAE

for and on behalf of

GALAXY AEROSPACE (M) SDN BHD



Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre,
Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Darul Ehsan.

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4 attachments



AW5277 DEPTH.jpeg
103K



AW5277 WIDTH.jpeg
68K

AW5277 LENGTH.jpeg
86K





AW5277 BLADE.jpeg
62K

Ezhan Izzad Mohd Nor <ezhan@galaxyaerospace.my>

17 January 2022 at 13:35

To: Ahmad Mahmood Zaki <mahmood@galaxyaerospace.my>

Cc: hazly@galaxyaerospace.my, athirah.galaxy@gmail.com, syafrul@galaxyaerospace.my, amran@galaxyaerospace.my, Ashila Naja Mohd Zulkaple <ashila@galaxyaerospace.my>, Ahmad Khalis Halimi <khalis@galaxyaerospace.my>, zaty nadhirah <zaty@galaxyaerospace.my>, ismail sulaiman <ismail@galaxyaerospace.my>, TECHNICAL SERVICES <tech.services@galaxyaerospace.my>, azillah@galaxyaerospace.my

Dear Mr.Mahmood,

Your query has been raised. TQ is PSE/TQ/2022/53661.

Will notify you on the feedback once received.

Regards,

Ezhan Izzad Mohd Nor

Technical Services & Design Engineer

for and on behalf of

GALAXY AEROSPACE (M) SDN BHD



Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre,
Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Darul Ehsan.

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[Quoted text hidden]

Ezhan Izzad Mohd Nor <ezhan@galaxyaerospace.my>

17 January 2022 at 14:32

To: Ahmad Mahmood Zaki <mahmood@galaxyaerospace.my>

Cc: hazly@galaxyaerospace.my, athirah.galaxy@gmail.com, syafrul@galaxyaerospace.my, amran@galaxyaerospace.my, Ashila Naja Mohd Zulkaple <ashila@galaxyaerospace.my>, Ahmad Khalis Halimi <khalis@galaxyaerospace.my>, zaty nadhirah <zaty@galaxyaerospace.my>, ismail sulaiman <ismail@galaxyaerospace.my>, TECHNICAL SERVICES <tech.services@galaxyaerospace.my>, azillah@galaxyaerospace.my

Dear Mr.Mahmood,

In order to proceed with the evaluation, kindly provide the details for the following queries from LH (in blue), as follows:





image no 2.jpeg
67K

Ezhan Izzad Mohd Nor <ezhan@galaxyaerospace.my>

18 January 2022 at 22:20

To: Ahmad Mahmood Zaki <mahmood@galaxyaerospace.my>

Cc: hazly@galaxyaerospace.my, athirah.galaxy@gmail.com, syafrul@galaxyaerospace.my, amran@galaxyaerospace.my, Ashila Naja Mohd Zulkaple <ashila@galaxyaerospace.my>, Ahmad Khalis Halimi <khalis@galaxyaerospace.my>, zaty nadhirah <zaty@galaxyaerospace.my>, ismail sulaiman <ismail@galaxyaerospace.my>, TECHNICAL SERVICES <tech.services@galaxyaerospace.my>, azillah@galaxyaerospace.my

Dear Mr.Mahmood,

Here is the reply from LH, as follows:

Based on the confirmation that no further delamination is noticed from the tapping check performed, please be informed it would be possible to keep the blade in service by restoring the surface using filler (AMDI C194 or equivalent) and proceed with the application of surface finishing.

Remain available for any further support.

Thank you

Regards,

Ezhan Izzad Mohd Nor

Technical Services & Design Engineer

for and on behalf of

GALAXY AEROSPACE (M) SDN BHD

GalaxyAerospace 
maintenance repair overhaul


Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre,
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CLIENT/OPERAT ROYAL MALAYSIA POLICE AIR OPERATION FORCE	AIRCRAFT TYPE AW139	BASE WMSA	AIRCRAFT REGISTRATION 9M-PMF	AIRCRAFT SERIAL NUMBER 31913	 AIRCRAFT JOURNEY LOG FORM NO : PGU/CAMO-008/AW139 REV. 0 PAGE SERIAL NO: 02011
DATE 17/1/22	PREVIOUS BMRC RMDC-PMF-21-001	NEXT CALENDAR INSP 2W COP	NEXT HOURS INSP 25 HRS	MEASURING UNITS FUEL KG OIL QT	
REF DATE	21/4/21	INSP DUE	17/1/22	245.53	

FLT. NO.	FUEL UPLIFT		FUEL DEPART		FUEL TOTAL		OIL UPLIFT			AIRWORTHINESS CHECK			PILOT PRE-FLIGHT / TURN AROUND		
	LH	RH	LH	RH	DEPART	ARRIVAL	ENG 1	ENG 2	OTHERS	SIGN**	AUTH	TIME	SIGN	AUTH	TIME
	MAINTENANCE ONLY														

FLT. NO.	PILOT	CO-PILOT	FROM	TO	TIME				TOTAL FLT HOUR	NO. OF LANDING	ENGINE HOUR		ENGINE CYCLE		LOAD CYCLE	HOIST S/N:	
					START	TAKE OFF	LANDING	SHUT DOWN			ENG 1	ENG 2	ENG 1	ENG 2		LIFT	HOUR
	MAINTENANCE ONLY																

NO.	RECORD OF DEFECT(S). ENTER 'NIL' IF NO DEFECT FOUND	PILOT / ENGINEER		TIME	NO.	RECTIFICATION(S) TAKEN	MR SIGN**	AUTH	DATE
		SIGN	MOE						
M1	M/R BLADE S/N: AWS277 FOUND PEELED OFF, NEED TO BE REPAIRED				M2	EURONAV JEPPIVIEW DATABASE UPDATED. WORK PACK 9M-PMF-0631 REPER.			20/01/22.
M2	EURONAV JEPPIVIEW DATABASE TO BE UPDATED			0900	M1	C/O FOUND SAT/S REP UMC-PMF-22-003			22/01/22

**MAINTENANCE RELEASE (MR) STATEMENT THE WORK RECORDED ABOVE HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE MCAR FOR THE TIME BEING IN FORCE AND IN THAT RESPECT THE AIRCRAFT/EQUIPMENT IS CONSIDERED FIT FOR RELEASE TO SERVICE.

AIRWORTHINESS CHECK HAS BEEN CARRIED OUT IAW APPLICABLE APPROVED MAINTENANCE PROGRAMME.