

# WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

**Address:** Lot 11-14, MRO Centre, Malaysia  
International Aerospace Centre, SAAS Airport,  
Subang  
Malaysia

**Attention:** Mr. Syafrul Yamani  
Engineering Manager  
syafrul@galaxy aerospace.my

**Work Order Number:** 2022-12776

**Work Pack Reference:** 9M-PMD-12776

**Date Issued:** 14/09/2022

**A/C Registration / SN:** 9M-PMD/31809

**Sheet:** 1 of 1

**Description:**

Item	Description/Task/Inspection	Reference	Man Hours
1	6 M INSPECTION	AMPI 05-21, SUMC T3	<u>16.0</u> (PLEASE ADVISE)
2	6 MONTHS CORROSION CONTROL PROGRAM	39-A-00-10-00-02A-028A-D	<u>16.0</u> (PLEASE ADVISE)

**Remark/Notes:**

1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.
2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.
3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.
4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.
5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance.
6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.
7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you.  
Best Regards,



Zaty Nadhira Mohamed Zuhari  
Continuing Airworthiness Management Manager  
Email: zaty@galaxy aerospace.my



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKPACK NO:	9M-PMD-12776
AIRCRAFT TYPE: AW139	AIRCRAFT 31809	1548:35	2719	WORK/INSP/DESC:	6M INSP
REGISTRATION: 9M-PMD	#1 ENGINE: PCE-KB2112	1548:35	N/A	AERONET JOB NO.:	2022-12776
BASE/FACILITY: WMSA	#2 ENGINE: PCE-KB2092	1548:35	N/A	AJL REF NO.:	01253
DATE IN: 19/1/23			NG / N1	SHEET:	01 OF 01
OUT: 1/2/23			NF / N2		

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO: Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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List of scheduled inspection and all work carried out under this workpack including individual reference			DATE INSPECTION COMPLETED	Master Signature Schedule		
NO.	INSPECTION / WORK	WORKSHEET REF		NAME	SIGNATURE	APP/STAMP
1	6 M INSPECTION	12776-001	1/2/23	NASFATEE		
2	6 MONTHS CORROSION CONTROL PROGRAM	12776-002	23/1/23	AMRI		8021
				HAFIZ		8130
				FAZREEN		8142
				MOHAMAD SHAPIQ		
				FAZUL		
				FAZRUL		8112

**PART 145 - AMO RELEASE STATEMENT**  
THIS IS TO CERTIFY THAT ALL WORK LISTED ABOVE HAS BEEN INSPECTED AND ACCOMPLISHED IN ACCORDANCE WITH CONTRACTED AMO EXPOSITION AND PROCEDURE LATEST REVISION, AND

\* OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE

\* IF DIFFERENT FROM ABOVE, OEM PUBLICATION/REVISION..... IETP AW 139 42 NO ABOVE

2022-12-30-01

15/2/23

\* TICK ✓ WHERE APPLICABLE

NAME	MOHAMAD SHAPIQ
SIGN & APPROVAL	
FIRM	GAM
DATE	23/1/23

**PART M - CAMO ACCEPTANCE STATEMENT**  
THIS IS TO CERTIFY THAT THE ABOVE MENTIONED WORK PACKAGE HAS BEEN REVIEWED, CHECKED FOR COMPLETION AND UPDATED IN THE MAINTENANCE SOFTWARE.

NAME	SIGN & APPROVAL	DATE



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK OUT: REFER WORKPACK		SERIAL NO. 31809	HOURS REFER WORKPACK	LDG/CYCLE REFER WORKPACK		WORKSHEET NO: 12776-001 WORK/INSP/DESC: 6 M INSPECTION WORKPACK REF: 9M-PMD-12776 AJL REF NO.: REFER WORKPACK SHEET: 1 OF 1
	AIRCRAFT #1 ENGINE: PCE-KB2112 #2 ENGINE: PCE-KB2092	REFER WORKPACK REFER WORKPACK REFER WORKPACK			NG / N1 NF / N2	

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	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					
1	33204-002	MAIN BATTERY	12100 162	12100 162	01	WBE	WSP	N/A	GIN 4233
1	2778-1	STANDBY BATTERY	2778-1	2778-1	01	WBF	WSP	N/A	GIN 4234

NAME <b>MOHAMED RAJIC</b>	FIRM <b>GAM</b>	SIGN & APPROVAL 	DATE <b>11/2/2023</b>
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\*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.

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TICK ✓ WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO. 31809	HOURS	LDG/CYCLE	WORKSHEET NO: 12776-001
AIRCRAFT TYPE: AW139	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: 6 M INSPECTION
REGISTRATION: 9M-PMD	#1 ENGINE: PCE-KB2112	REFER WORKPACK		WORKPACK REF: 9M-PMD-12776
BASE/FACILITY: WMSA	#2 ENGINE: PCE-KB2092	REFER WORKPACK		AJL REF NO.: REFER WORKPACK
DATE IN: REFER WORKPACK			NG / N1	SHEET: 1 OF 4
OUT: REFER WORKPACK			NF / N2	

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO: Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
1	AUX BATTERY INSTALLATION PROCEDURE TO INSTALL AUX BATTERY BATTERY AMPERE HOUR: 24AH REF: 39-A-24-32-02-00A-720A-A  REMARKS: <b>WORK CARRIED OUT FOUND SATISFACTORY</b>			1/2/23
2	31-06 MPFR UNDERWATER BEACON BATTERY VOLTAGE DO A FC TO CHECK THAT BATTERY VOLTAGE IS IN EXCESS OF A SPECIFIED VALUE REF. (DMC): 39-A-31-31-07-01A-340A-A READING OF THE VOLTAGE: <u>3.329 VDC</u> REMARKS: <b>C/OUT - FOUND SATIS.</b>			19/1/23
3	93-03 OPLS LASER SENSORS REFERENCE (DMC): 39-A-93-62-00-00B-310A-K DO A GVI OF THE PLASTIC SURFACES FOR DISCOLORATIONS AND ENVIRONMENTAL DAMAGE.  REMARKS: <b>NOT APPLICABLE . NOT FITTED</b>			19/01/23
4	34-04 TCAS ANTENNA REFERENCE (DMC): 39-A-34-44-03-00A-369A-K ; 39-A-34-44-04-00A-369A-K DO A BONDING CHECK READING: <b>SCREW#1 2mΩ, SCREW#2 2mΩ SCREW#3 2mΩ, SCREW#4 2mΩ</b> REMARKS: <b>WORK CARRIED OUT FOUND SATISFACTORY</b>			1/2/23
5	31-10 MPFR REFERENCE (DMC): 39-A-31-31-07-00A-340A-A DO AN OC TO VERIFY THAT THE UNDERWATER LOCATOR BEACON OPERATES CORRECTLY.  NOTE: DO THIS TASK AT THE SPECIFIED INTERVAL OR AS AGREED WITH THE RELEVANT REGULATORY AUTHORITY REMARKS: <b>C/OUT - FOUND SATIS.</b>			19/1/23

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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	12776-001
AIRCRAFT TYPE: AW139	AIRCRAFT 31809	REFER WORKPACK		WORK/INSP/DESC:	6 M INSPECTION
REGISTRATION: 9M-PMD	#1 ENGINE: PCE-KB2112	REFER WORKPACK		WORKPACK REF:	9M-PMD-12776
BASE/FACILITY: WMSA	#2 ENGINE: PCE-KB2092	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK			NG / N1	SHEET:	2 OF 4
OUT: REFER WORKPACK			NF / N2		

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO: Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
6	31-05 MPFR CVR REFERENCE (DMC): 39-A-31-31-00-00A-320A-A DO AN OC TO EVALUATE PROPER RECORDING OF ICS CHANNELS AND COCKPIT AREA MICROPHONE  REMARKS: <i>C/OUT. FOUND SATIS.</i>	 2342	 	19/1/23
7	31-04 ELT TRANSMITTER AND ANTENNA REFERENCE (DMC): 39-A-25-61-00-00A-320A-K DO AN OC TO EVALUATE THE CORRECT TRANSMISSION OF THE DISTRESS SIGNAL  REMARKS: <i>C/OUT. FOUND SATIS.</i>	 2342	 	19/1/23
8	30-04 ICE PROTECTION SYSTEM (FIPS) REFERENCE (DMC): 39-A-30-60-00-00A-320A-K DO AN OC IN ORDER TO VERIFY THAT NO "CHK" INDICATION IS DISPLAYED ON THE IPS PANEL.  REMARKS: NOT APPLICABLE. AIRCRAFT NOT FITTED WITH FIPS	 	 	19/1/23
9	24-21 AC GROUND FAULT INTERRUPTER REFERENCE (DMC): 39-A-24-65-00-00A-320A-K, 39-A-24-67-00-00A-320A-K OC OF THE GROUND FAULT INTERRUPTER  REMARKS: <i>C/OUT. FOUND SATIS.</i>	 2342	 	19/1/23
10	MAIN BATTERY REMOVE PROCEDURE  TO REMOVE MAIN BATTERY BATTERY AMPERE HOUR: <i>44</i> AH REF: 39-B-24-32-01-00A-520A-A  REMARKS: <i>WORK CARRIED OUT FOUND SATISFACTORY</i>	 8282	 	22/1/23
11	MAIN BATTERY INSTALLATION PROCEDURE  TO INSTALL MAIN BATTERY BATTERY AMPERE HOUR: <i>44</i> AH REF: 39-B-24-32-01-00A-028A-K  REMARKS: <i>WORK CARRIED OUT FOUND SATISFACTORY</i>	 8112	 	1/2/23

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TICK ✓ WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	12776-001
AIRCRAFT TYPE: AW139	AIRCRAFT	31809	REFER WORKPACK	WORK/INSP/DESC:	6 M INSPECTION
REGISTRATION: 9M-PMD	#1 ENGINE:	PCE-KB2112	REFER WORKPACK	WORKPACK REF:	9M-PMD-12776
BASE/FACILITY: WMSA	#2 ENGINE:	PCE-KB2092	REFER WORKPACK	AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK				SHEET:	3 OF 4
OUT: REFER WORKPACK					

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO: Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
12	24-20 AUXILIARY BATTERY (28 AH) REFERENCE (DMC): 39-B-24-32-02-00A-200A-K RECONDITIONING TO MAINTAIN CORRECT TENSIONS AMONG THE CELLS  NOTE: DO THIS TASK ONLY IN CASE THREE OR MORE BATTERY STARTS PER FLIGHT HOUR ARE PERFORMED ON AVERAGE  BATTERY WORKSHOP WORKSHEET REF: REMARKS: <b>NOT APPLICABLE DUE TO DIFFERENT CONFIGURATION</b>	 13/2/23	 1/2/23	1/2/23
13	24-17 AUXILIARY BATTERY (27 AH) REFERENCE (DMC): 39-D-24-32-02-00A-200A-K RECONDITIONING TO MAINTAIN CORRECT TENSIONS AMONG THE CELLS  NOTE: DO THIS TASK ONLY IN CASE THREE OR MORE BATTERY STARTS PER FLIGHT HOUR ARE PERFORMED ON AVERAGE  BATTERY WORKSHOP WORKSHEET REF: <b>GAM-WS-WO-23-AV009</b> REMARKS: <b>WORK CARRIED OUT FOUND SATISFACTORY</b>	 Fuzal 8/12	 1/2/23	1/2/23
14	24-16 MAIN BATTERY (44 AH) REFERENCE (DMC): 39-B-24-32-01-00A-200A-K ; 39-C-24-32-01-00A-200A-K RECONDITIONING TO MAINTAIN CORRECT TENSIONS AMONG THE CELLS  NOTE: DO THIS TASK ONLY IN CASE THREE OR MORE BATTERY STARTS PER FLIGHT HOUR ARE PERFORMED ON AVERAGE  BATTERY WORKSHOP WORKSHEET REF: <b>GAM-WS-WO-23-AV008</b> REMARKS: <b>WORK CARRIED OUT FOUND SATISFACTORY</b>	 Fuzal 8/12	 1/2/23	1/2/23
15	24-15 MAIN BATTERY (40 AH) REFERENCE (DMC): 39-A-24-32-01-00A-200A-B RECONDITIONING TO MAINTAIN CORRECT TENSIONS AMONG THE CELLS  NOTE: DO THIS TASK ONLY IN CASE THREE OR MORE BATTERY STARTS PER FLIGHT HOUR ARE PERFORMED ON AVERAGE  BATTERY WORKSHOP WORKSHEET REF:  REMARKS: <b>NOT APPLICABLE DUE TO DIFFERENT CONFIGURATION</b>	 13/2/23	 1/2/23	1/2/23
16	24-14 AUXILIARY BATTERY (13 AH) REFERENCE (DMC): 39-A-24-32-02-00A-200A-B RECONDITIONING TO MAINTAIN CORRECT TENSIONS AMONG THE CELLS  BATTERY WORKSHOP WORKSHEET REF: REMARKS: <b>NOT APPLICABLE DUE TO DIFFERENT CONFIGURATION</b>	 13/2/23	 1/2/23	1/2/23

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TICK  WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK    OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	12776-001
	AIRCRAFT	31809	REFER WORKPACK		WORK/INSP/DESC:	6 M INSPECTION
	#1 ENGINE:	PCE-KB2112	REFER WORKPACK		WORKPACK REF:	9M-PMD-12776
	#2 ENGINE:	PCE-KB2092	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET:	4                      OF                      4

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
17	AUX BATTERY REMOVE PROCEDURE TO REMOVE AUX BATTERY BATTERY AMPERE HOUR REF: 39-A-24-32-02-00A-520A-A REMARKS: <b>WORK CARRIED OUT FOUND SATISFACTORY</b>	 -8282	 	13/2/23 22/1/23

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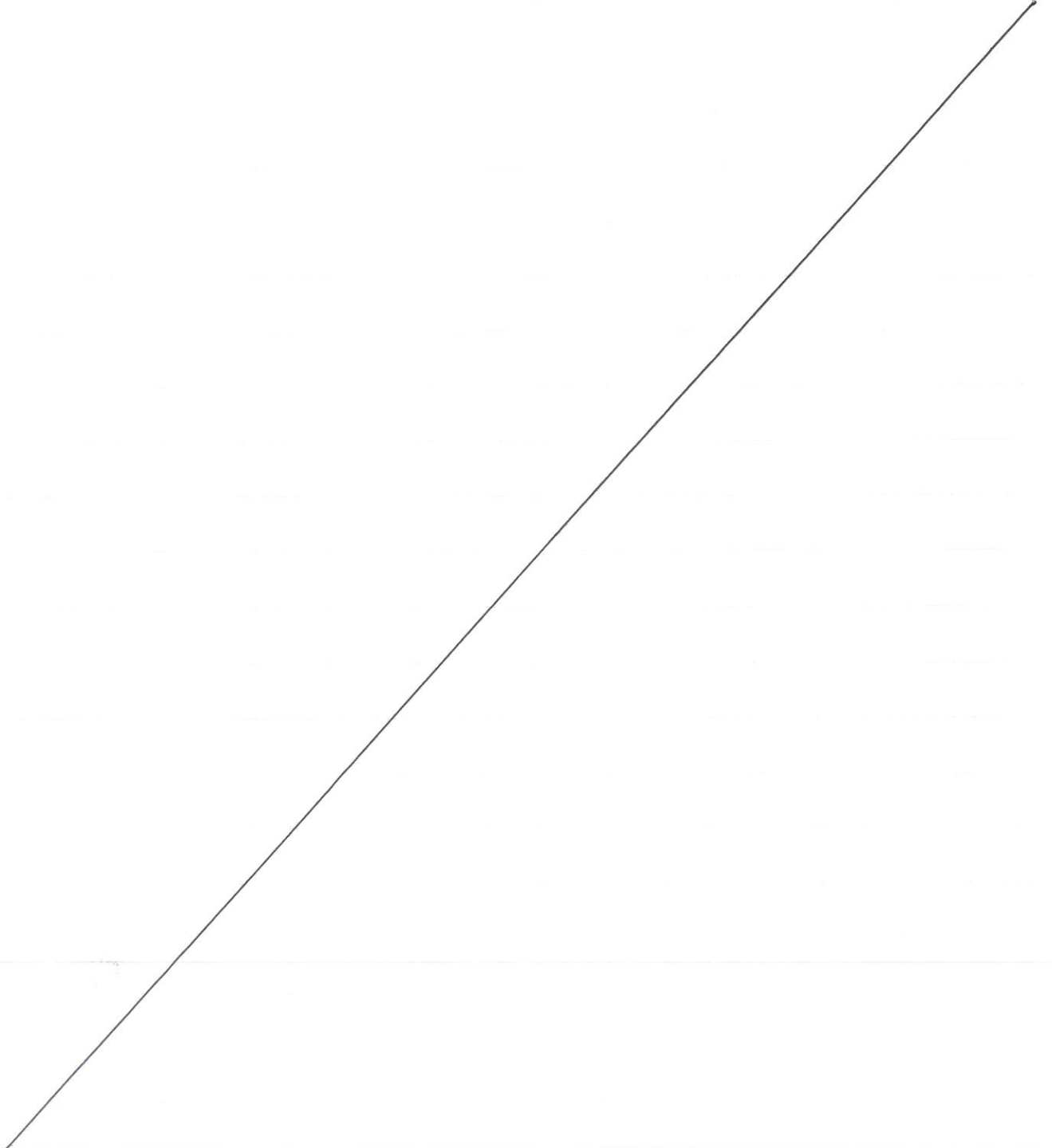
TICK ✓ WHERE APPLICABLE

# Tools Report







<b>Aircraft Serial No:</b>	31809	<b>Work Pack No:</b>	9M-PMD-12776
<b>Aircraft Type:</b>	AW139	<b>DESC:</b>	SCHEDULED
<b>Aircraft Reg:</b>	9M-PMD	<b>PAGE:</b>	1 Of 1





Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date
MULTIMETER	FLUKE-1587	55030113	12776-001 / 2	14/10/2023
DUKANE W/C PROBE	TS200	TS1108	12776-001 / 5	14/04/2023







<b>SERVICEABLE</b>			
ITEM ID:	49094		
DESCRIPTION: MAIN BATTERY 44AH (MARATHON NORCO)			
PART NO:	33204-002	QTY:	1.00
SERIAL NO:	12100162	BIN:	<del>B-03</del>
CONDITION:	TE	LOCATION:	BATTERY RACK
TSN:		TSO:	
SHELF DUE / EXP DATE:			
JOB ID:	0	PO ID:	SIGN: 
GIN / ID. NO:	GIN4233	APPROVAL: 	27/01/2023

GAM/E-005 Rev 2 (01/21)

<b>SERVICEABLE</b>			
ITEM ID:	49095		
DESCRIPTION: STANDBY BATTERY 27AH (SAFT)			
PART NO:	2778-1	QTY:	1.00
SERIAL NO:	202102623	BIN:	--
CONDITION:	TE	LOCATION:	BATTERY RACK
TSN:		TSO:	
SHELF DUE / EXP DATE:			
JOB ID:	0	PO ID:	SIGN: 
GIN / ID. NO:	GIN4234	APPROVAL: 	27/01/2023

GAM/E-005 Rev 2 (01/21)

<b>1. Country</b> MALAYSIA	<b>2. AUTHORISED RELEASE CERTIFICATE CAAM FORM 1</b>			<b>3. Form Tracking Number</b> W/23-AV008	
<b>4. Organisation Name and Address</b> SUITE 11-14, HELICOPTER CENTRE, MALAYSIA INTERNATIONAL AEROSPACE CENTRE SULTAN ABDUL AZIZ SHAH AIRPORT, 47200 SUBANG, SELANGOR, MALAYSIA					
					
<b>6. Item</b>	<b>7. Description</b>	<b>8. Part Number</b>	<b>9. Quantity</b>	<b>10. Serial Number</b>	<b>11. Status/ Work</b>
1	MARATHON MICRO MAINTENANCE (M <sup>3</sup> ) NICAD AIRCRAFT BATTERY	33204-002	1	12100162	INSPECTED/TESTED
<b>12. Remarks</b> BATTERY DEEP CYCLE, CAPACITY TEST AND TEMPERATURE SENSOR FUNCTIONAL TEST HAS BEEN CARRIED OUT IN ACCORDANCE WITH MARATHONNORCO OPERATING AND MAINTENANCE MANUAL FOR MARATHON MICRO MAINTENANCE (M <sup>3</sup> ) NICKEL-CADMIUM AIRCRAFT BATTERIES 24-34-08, REVISION 16, OCTOBER 04/2022.  CAPACITY TEST AND TEMPERATURE SENSOR FUNCTIONAL TEST PERFORMED AND FOUND SATISFACTORY.					
<b>NOTE:</b> 1. BATTERY PASSED 1 <sup>st</sup> CAPACITY TEST. 2. REFER THE ATTACHED BATTERY SERVICE DATA SHEET FOR THE BATTERY RECORD IN DETAIL.					
<b>13a.</b> Certifies that the item identified above were manufactured in conformity to:		<b>14a.</b> <input checked="" type="checkbox"/> CAR Reg. 30; Maintenance Release <input type="checkbox"/> Other Regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with CAA Malaysia Requirements, and in respect to that work the items are approved for release to service.			
<input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in block 12.		<b>14b.</b> Authorised Signature 		<b>14c.</b> Certificate/ Approval Ref. No. AMO/2016/02	
<b>13b.</b> Authorised Signature		<b>13c.</b> Approval/ Authorisation Number		<b>14e.</b> Date (dd/mm/yyyy) 26 JAN 2023	
<b>13d.</b> Name		<b>13e.</b> Date (dd/mm/yyyy)		<b>14d.</b> Name MOHAMMAD FAKHURSY BIN HANIZ	
<b>USER/INSTALLER RESPONSIBILITIES</b>					
<b>"THIS CERTIFICATE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL. WHERE THE USER/INSTALLER PERFORMS WORK IN ACCORDANCE WITH REGULATIONS OTHER THAN THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1, IT IS ESSENTIAL THAT THE USER/INSTALLER ENSURES THAT HIS/HER AIRWORTHINESS AUTHORITY ACCEPTS ITEMS FROM THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1. STATEMENTS IN BLOCKS 13A AND 14A DO NOT CONSTITUTE INSTALLATION CERTIFICATION, IN ALL CASES AIRCRAFT MAINTENANCE RECORDS MUST CONTAIN AN INSTALLATION CERTIFICATION ISSUED IN ACCORDANCE WITH THE NATIONAL REGULATIONS BY THE USER/INSTALLER BEFORE THE AIRCRAFT MAY BE FLOWN."</b>					

**BATTERY SERVICE DATA SHEET**

Work Order CAM-WS-10-23-A/088 Battery S/N 12100162 Aircraft Type AW139 Page 01 of 03  
 Date 23 JAN 2023 Battery Type DOM Aircraft No M<sup>3</sup>-44-27 Service Performed by HAFIAC 883H  
02/2021

Main Chg. Amps 24.0 Cap. Test Amps 44 Sensor 32899-001  
 Top Chg. Amps 9.6 Torque in Lbs. 100-125

**INSPECTIONS**

Initial Visual SATISFACTORY Torque 115 Vents SATISFACTORY Deep Cycle No 01  
 Elect. Leakage >275 mA Connector(s) SATISFACTORY Sensor SATISFACTORY Final Inspection SATISFACTORY

**TESTS**

(+VE 0.375in / -VE 0.374in)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery	
MAIN CHARGE																						
Initial Voltage																						
5-Minute Voltage reached 1.55V																						
Initial H <sub>2</sub> O ccs																						

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery	
TOP CHARGE																						
Initial Voltage																						
60 Minutes																						
120 Minutes																						
H <sub>2</sub> O ccs																						

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery	
CAPACITY																						
51/102 Minutes	1.093	1.056	1.086	1.092	1.068	1.064	1.056	1.010	1.081	1.046	1.048	1.005	1.076	1.046	1.052	1.028	1.068	1.057	1.015	1.010	1.010	20.90
60/120 Minutes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Time To VEP	54	53	52	56	52	54	53	52	56	53	53	52	55	53	53	52	53	53	52	52	52	-

Approved for Service MOHAMMAD PARHUSARY Date 26/01/2023



INITIAL 1.281 1.263 1.283 1.282 1.284 1.283 1.284 1.281 1.285 1.282 1.286 1.283 1.282 1.284 1.284 1.281 1.284 1.284 1.281 1.284 1.284 1.284 25.66  
 VOLTAGE

**24-34-08**

## BATTERY SERVICE DATA SHEET

Work Order CRAM-WO-22-71008 Battery S/N 12100162 Aircraft Type Aw139 Page 02 of 03  
 Date 25 JAN 2023 Battery Type DOM Aircraft No --- Hours in Service ---  
02/2021 Service Performed by HAFZ (8871)

Main Chg. Amps 24.0 Cap. Test Amps 44 Sensor 32899-001  
 Top Chg. Amps 9.6 Torque in Lbs. 100-125

## INSPECTIONS

Initial Visual SAN&FACTORY Torque 115 Vents SAN&FACTORY Deep Cycle No ---  
 Elect. Leakage >2.75 MA Connector(s) SAN&FACTORY Sensor --- Final Inspection SAN&FACTORY

## TESTS

MAIN CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery
Initial Voltage	0.142	0.099	0.026	0.120	0.016	0.120	0.126	0.012	0.150	0.011	0.040	0.015	0.110	0.067	0.050	0.011	0.124	0.120	0.056	0.011	1.434
5-Minute Voltage reached 1.55V	1.376	1.381	1.385	1.384	1.382	1.383	1.378	1.382	1.378	1.382	1.385	1.388	1.383	1.382	1.386	1.384	1.382	1.385	1.380	1.379	27.64
Initial H <sub>2</sub> O ccs	103	99	95	105	96	98	103	97	106	97	94	93	99	98	96	97	99	99	97	98	33.32

## TOP CHARGE

TOP CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery
Initial Voltage	1.784	1.769	1.781	1.821	1.776	1.778	1.768	1.779	1.834	1.792	1.788	1.781	1.794	1.788	1.783	1.788	1.807	1.785	1.793	1.792	35.79
60 Minutes	1.808	1.793	1.798	1.831	1.792	1.798	1.789	1.800	1.853	1.808	1.806	1.795	1.808	1.801	1.796	1.802	1.819	1.802	1.813	1.813	36.13
120 Minutes	1.808	1.791	1.793	1.826	1.789	1.796	1.788	1.798	1.852	1.804	1.800	1.788	1.803	1.796	1.790	1.797	1.815	1.799	1.810	1.813	36.06
H <sub>2</sub> O ccs	6	4	5	3	6	3	8	3	1	4	12	4	4	4	6	6	3	4	4	3	36.06

## CAPACITY

CAPACITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery
51/102 Minutes	1.116	1.118	1.120	1.128	1.112	1.121	1.115	1.111	1.117	1.123	1.119	1.125	1.122	1.120	1.123	1.124	1.123	1.122	1.113	1.113	22.35
60/120 Minutes	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Time To VEP	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Approved for Service MUHAMMAD PARHAWISY Date 26/01/2023

INITIAL  
VOLTAGE

1.458 | 1.434 | 1.420 | 1.418 | 1.420 | 1.420 | 1.420 | 1.425 | 1.424 | 1.413 | 1.411 | 1.403 | 1.407 | 1.404 | 1.397 | 1.400 | 1.408 | 1.404 | 1.408 | 1.417 | 1.417 | 1.417 | 28.07

## BATTERY SERVICE DATA SHEET

Work Order CAM-WS-WO-23-AY008 Battery S/N 12100162 Aircraft Type AW139 Page 03 of 03  
 Date 26 MAY 2023 Battery Type M3-44-27 Aircraft No --- Hours in Service ---  
 Service Performed by HAFIZ (8371)

Main Chg. Amps 24.0 Cap. Test Amps 44 Sensor 32899-001  
 Top Chg. Amps 9.6 Torque in Lbs. 100-125

## INSPECTIONS

Initial Visual SANDS FACTORY Torque 115 Vents SANDS FACTORY Deep Cycle No ---  
 Elect. Leakage 275 MA Connector(s) SANDS FACTORY Sensor SANDS FACTORY Final Inspection SANDS FACTORY

## TESTS

MAIN CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery
Initial Voltage	1.243	1.246	1.250	1.253	1.246	1.248	1.244	1.246	1.245	1.252	1.251	1.254	1.251	1.251	1.254	1.255	1.252	1.251	1.246	1.246	24.99
5-Minute Voltage reached 1.55V	1.377	1.385	1.391	1.394	1.389	1.387	1.381	1.377	1.384	1.391	1.393	1.397	1.392	1.391	1.397	1.396	1.390	1.393	1.388	1.384	27.82
Initial H <sub>2</sub> O ccs	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31.38

## TOP CHARGE

TOP CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery
Initial Voltage	1.472	1.476	1.479	1.482	1.478	1.477	1.474	1.476	1.475	1.479	1.480	1.482	1.475	1.475	1.475	1.480	1.477	1.476	1.474	1.474	29.53
60 Minutes	1.869	1.867	1.874	1.873	1.870	1.871	1.860	1.874	1.878	1.862	1.880	1.872	1.874	1.877	1.875	1.861	1.881	1.876	1.883	1.878	37.54
120 Minutes	1.861	1.856	1.860	1.871	1.856	1.859	1.857	1.863	1.855	1.867	1.863	1.854	1.857	1.862	1.864	1.865	1.866	1.861	1.869	1.870	37.25
H <sub>2</sub> O ccs	9	9	8	9	9	9	9	9	9	9	6	8	8	9	7	8	9	9	9	8	37.26

## CAPACITY

CAPACITY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Battery
51/102 Minutes																					
60/120 Minutes																					
Time To VEP																					

Approved for Service MOHAMMAD FATIHSURY Date 26/01/2023



1. Country <b>MALAYSIA</b>		2. <b>AUTHORISED RELEASE CERTIFICATE CAAM FORM 1</b>		3. Form Tracking Number <b>WI/23-AV009</b>	
4. Organisation Name and Address <b>Galaxy Aerospace</b> <small>Galaxy Aerospace (Malaysia) Sdn Bhd</small> SUITE 11-14, HELICOPTER CENTRE, MALAYSIA INTERNATIONAL AEROSPACE CENTRE SULTAN ABDUL AZIZ SHAH AIRPORT, 47200 SUBANG, SELANGOR, MALAYSIA					
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/ Work
1	SAFT NICAD AIRCRAFT BATTERY	2778-1	1	202102623	INSPECTED/TESTED
12. Remarks BATTERY 1 YEAR INSPECTION - CAPACITY CHECK AND TEMPERATURE SENSOR FUNCTIONAL TEST HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH: - SAFT COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST AIRCRAFT BATTERY 2778-1, 24-30-00, REVISION NO 1, DATED APRIL 24/2018. - SAFT SIL0421 – BATTERY 2778-1 CMM CORRECTIONS REVISION 01, DATED JUNE 17/2021. - SAFT SIL1320 – BATTERY 2778-1 CMM CORRECTIONS REVISION 01, DATED APRIL 16/2021. BATTERY PASSED 1 <sup>ST</sup> CAPACITY CHECK AND FOUND SATISFACTORY.					
NOTE: 1. REFER THE ATTACHED BATTERY SERVICE DATA SHEET FOR THE BATTERY RECORD IN DETAIL.					
13a. Certifies that the item identified above were manufactured in conformity to:		14a. <input checked="" type="checkbox"/> CAR Reg. 30; Maintenance Release <input type="checkbox"/> Other Regulation specified in block 12		14c. Certificate/ Approval Ref. No.	
<input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in block 12.		Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with CAA Malaysia Requirements, and in respect to that work the items are approved for release to service.		AMO/2016/02	
13b. Authorised Signature		13c. Approval/ Authorisation Number		14e. Date (dd/mm/yyyy)	
				26 JAN 2023	
13d. Name		14d. Name			
		MOHAMMAD FAKHQURSY BIN HANIZ			
USER/INSTALLER RESPONSIBILITIES					
"THIS CERTIFICATE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL. WHERE THE USER/INSTALLER PERFORMS WORK IN ACCORDANCE WITH REGULATIONS OTHER THAN THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1, IT IS ESSENTIAL THAT THE USER/INSTALLER ENSURES THAT HIS/HER AIRWORTHINESS AUTHORITY ACCEPTS ITEMS FROM THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1. STATEMENTS IN BLOCKS 13A AND 14A DO NOT CONSTITUTE INSTALLATION CERTIFICATION, IN ALL CASES AIRCRAFT MAINTENANCE RECORDS MUST CONTAIN AN INSTALLATION CERTIFICATION ISSUED IN ACCORDANCE WITH THE NATIONAL REGULATIONS BY THE USER/INSTALLER BEFORE THE AIRCRAFT MAY BE FLOWN."					

# SAFT NI-CAD AIRCRAFT BATTERY

## BATTERY SERVICE DATA SHEET

WORK ORDER	GAM-WS-23-AV009
CUSTOMER	ROYAL MALAYSIAN AIR FORCE
AIRCRAFT TYPE	AU 139
REGISTRATION	-

BATTERY P/N	2778-1
BATTERY S/N	202102623
D.O.M	06/2021
CMM / OMM	24-30-00 DEYD1

BASE/FACILITY	CAM 00 NUCAD BATTERY ROOM
SERVICE PERFORMED BY	HAFIZ (8371)
DATE	23 JAN 2023

GAM C004

Main Charge Amps 13.5 Final Charge Amps 2.7 Cap Check Amps 2.7 Max Water Added cm3 25

### INSPECTIONS

Initial Visual SANSFACTORY Torque in Lbs 115 Vent Valve \_\_\_\_\_ Deep Cycle No 01

Insulation Check 275 M-L Connector SANSFACTORY Temperature Sensors SANSFACTORY Final Inspection SANSFACTORY

### TESTS

MAIN CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY	
INITIAL VOLTAGE																						
30 MINUTES																						
TIME TO 1.55V																						
ELECTROLYTE																						

FINAL CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY	
INITIAL VOLTAGE																						
30 MINUTES																						
60 MINUTES																						
120 MINUTES																						
180 MINUTES																						
240 MINUTES																						
ELECTROLYTE																						

CAPACITY CHECK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE	1.299	1.298	1.298	1.298	1.298	1.298	1.297	1.299	1.298	1.297	1.298	1.298	1.298	1.298	1.297	1.297	1.298	1.298	1.298	1.297	25.96
30 MINUTES	1.156	1.160	1.160	1.160	1.163	1.162	1.162	1.164	1.162	1.162	1.158	1.159	1.159	1.159	1.161	1.157	1.158	1.161	1.161	1.160	23.18
45 MINUTES	1.079	1.075	1.078	1.079	1.102	1.085	1.100	1.080	1.096	1.095	1.064	1.071	1.075	1.080	1.090	1.086	1.061	1.078	1.088	1.103	21.46
51/60 MINUTES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TIME TO 1.0V	54	54	54	56	57	56	56	55	57	56	54	55	56	55	57	54	56	57	57	57	-

# SAFT NI-CAD AIRCRAFT BATTERY

## BATTERY SERVICE DATA SHEET

WORK ORDER	GAM-WS-WO-23-AV009
CUSTOMER	ROYAL MALAYSIAN AIR FORCE
AIRCRAFT TYPE	4w 139
REGISTRATION	—

BATTERY P/N	2778-1
BATTERY S/N	202102623
D.O.M	06/2021
CMM / OMM	24-30-00 REV 01

BASE/FACILITY	GAM OC NI CAD BATTERY ROOM
SERVICE PERFORMED BY	HAFIZ (8371)
DATE	25 JAN 2023

GAM C004

Main Charge Amps 13.5 Final Charge Amps 2.7 Cap Check Amps 2.7 Max Water Added cm3 25

### INSPECTIONS

Initial Visual SATISFACTORY Torque in Lbs 115 Vent Valve SATISFACTORY Deep Cycle No —

Insulation Check >275 MΩ Connector SATISFACTORY Temperature Sensors SATISFACTORY Final Inspection SATISFACTORY

### TESTS

MAIN CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE	1.061	0.254	0.340	1.047	0.991	0.796	0.965	0.219	0.929	0.954	0.192	0.282	1.013	0.244	0.119	0.219	0.214	1.005	1.053	1.073	12.95
30 MINUTES	1.395	1.397	1.398	1.398	1.398	1.399	1.397	1.400	1.399	1.399	1.399	1.396	1.398	1.396	1.398	1.402	1.400	1.398	1.396	1.392	27.97
TIME TO 1.55V	147	147	143	149	146	145	143	143	146	145	146	144	147	146	146	145	144	144	146	146	81.72
ELECTROLYTE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

FINAL CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE	1.466	1.460	1.493	1.449	1.475	1.478	1.509	1.483	1.471	1.481	1.466	1.477	1.452	1.462	1.471	1.458	1.471	1.493	1.465	1.497	29.56
30 MINUTES	1.547	1.544	1.558	1.536	1.557	1.548	1.566	1.548	1.549	1.552	1.549	1.558	1.541	1.545	1.549	1.525	1.545	1.551	1.547	1.562	81.00
60 MINUTES	1.564	1.561	1.572	1.553	1.569	1.560	1.578	1.561	1.561	1.564	1.567	1.578	1.565	1.559	1.561	1.552	1.559	1.563	1.559	1.572	31.27
120 MINUTES	1.585	1.580	1.587	1.572	1.583	1.575	1.591	1.576	1.576	1.580	1.586	1.589	1.573	1.575	1.576	1.573	1.576	1.578	1.575	1.586	31.60
180 MINUTES	1.592	1.587	1.593	1.582	1.594	1.584	1.597	1.586	1.586	1.589	1.592	1.586	1.583	1.584	1.586	1.584	1.586	1.589	1.585	1.599	31.78
240 MINUTES	1.596	1.592	1.596	1.589	1.606	1.592	1.597	1.594	1.594	1.596	1.596	1.600	1.591	1.591	1.595	1.592	1.594	1.596	1.593	1.609	31.92
ELECTROLYTE	5	9	6	6	5	6	4	6	4	5	11	6	6	7	5	8	9	6	6	5	21.88

CAPACITY CHECK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE	1.531	1.526	1.527	1.524	1.537	1.513	1.527	1.522	1.523	1.518	1.520	1.515	1.515	1.515	1.519	1.512	1.518	1.516	1.514	1.524	30.26
30 MINUTES	1.244	1.245	1.244	1.246	1.246	1.246	1.244	1.242	1.246	1.246	1.245	1.244	1.245	1.244	1.245	1.246	1.245	1.245	1.245	1.243	24.89
45 MINUTES	1.228	1.230	1.228	1.231	1.232	1.232	1.228	1.233	1.232	1.231	1.229	1.228	1.230	1.229	1.231	1.233	1.231	1.231	1.230	1.228	24.59
51/60 MINUTES	1.202	1.204	1.200	1.209	1.209	1.208	1.196	1.209	1.208	1.206	1.203	1.199	1.206	1.203	1.206	1.211	1.205	1.205	1.205	1.201	24.04
TIME TO 1.0V	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



# SAFT NI-CAD AIRCRAFT BATTERY

## BATTERY SERVICE DATA SHEET

WORK ORDER	GAM-WS-WU-23-AV009
CUSTOMER	ROYAL MALAYSIA POLICE
AIRCRAFT TYPE	AW 139
REGISTRATION	—

BATTERY P/N	2778-1
BATTERY S/N	202102623
D.O.M	06/2021
CMM / OMM	24-30-00 (REV0)

BASE/FACILITY	GAM OC NI CAD BATTERY ROOM
SERVICE PERFORMED BY	HAFIZ (8371)
DATE	26 JAN 2023

Page 03 of 03

GAM  
C004

Main Charge Amps 13.5 Final Charge Amps 2.7 Cap Check Amps 2.7 Max Water Added cm3 0.5

### INSPECTIONS

Initial Visual SATISFACTORY Torque in Lbs 115 Vent Valve SATISFACTORY Deep Cycle No —

Insulation Check >275 MR Connector SATISFACTORY Temperature Sensors SATISFACTORY Final Inspection SATISFACTORY

### TESTS

MAIN CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE	1.245	1.279	1.278	1.279	1.280	1.280	1.248	1.281	1.280	1.280	1.279	1.274	1.279	1.279	1.279	1.282	1.279	1.280	1.279	1.278	25.58
30 MINUTES	1.384	1.390	1.389	1.390	1.392	1.392	1.389	1.392	1.391	1.391	1.391	1.389	1.389	1.388	1.390	1.393	1.392	1.392	1.389	1.387	24.81
TIME TO 1.55V	117	117	113	119	115	117	115	116	116	117	116	113	118	115	116	115	114	115	117	118	31.68
ELECTROLYTE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

FINAL CHARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE	1.617	1.611	1.618	1.611	1.619	1.611	1.621	1.611	1.612	1.612	1.619	1.621	1.609	1.609	1.612	1.609	1.612	1.610	1.610	1.617	32.26
30 MINUTES	1.618	1.613	1.619	1.610	1.614	1.610	1.621	1.611	1.610	1.612	1.620	1.622	1.608	1.609	1.611	1.609	1.610	1.610	1.607	1.613	32.25
60 MINUTES	1.620	1.616	1.621	1.612	1.615	1.610	1.623	1.612	1.612	1.614	1.622	1.625	1.610	1.610	1.611	1.611	1.612	1.612	1.609	1.614	32.29
120 MINUTES	1.622	1.617	1.622	1.612	1.615	1.609	1.625	1.612	1.611	1.615	1.624	1.628	1.611	1.611	1.613	1.610	1.612	1.613	1.610	1.616	32.31
180 MINUTES	1.622	1.616	1.621	1.611	1.613	1.608	1.624	1.610	1.610	1.614	1.623	1.628	1.611	1.610	1.613	1.609	1.611	1.612	1.609	1.616	32.29
240 MINUTES	1.620	1.615	1.620	1.609	1.611	1.606	1.623	1.609	1.609	1.613	1.622	1.626	1.609	1.609	1.611	1.607	1.610	1.611	1.608	1.614	32.26
ELECTROLYTE	1	1	2	2	1	2	3	2	2	1	0	1	1	1	2	0	0	1	2	1	32.27

CAPACITY CHECK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	BATTERY
INITIAL VOLTAGE																					
30 MINUTES																					
45 MINUTES																					
51/60 MINUTES																					
TIME TO 1.0V																					



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK    OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	12776-002
	AIRCRAFT	31809	REFER WORKPACK		WORK/INSP/DESC:	6 MONTHS CORROSION
	#1 ENGINE:	PCE-KB2112	REFER WORKPACK		WORKPACK REF:	9M-PMD-12776
	#2 ENGINE:	PCE-KB2092	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET:	1                      OF                      5

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
1	CP000-03 DETAILED INSPECTION OF TOP EXTERNAL AIRFRAME EQUIPMENTS  PERFORM A DETAILED INSPECTION OF THE EQUIPMENTS INSTALLED ON THE TOP SIDE OF THE EXTERNAL AIRFRAME FOR CORROSION, EVIDENCE OF WATER INTRUSION AND CORROSION PROTECTION DETERIORATION. (REMOVAL OF EACH EQUIPMENT IS REQUIRED ONLY IF CORROSION IS FOUND)  ZONE ID: 000-00  REF (DMC): 39-A-20-80-00-02A-31AA-D  REMARKS: <i>c/p. SATU</i>	<i>Car</i> 8021	<i>[Signature]</i> 	23/1/23
2	CP000-04 DETAILED INSPECTION OF THE BOTTOM EXTERNAL AIRFRAME EQUIPMENTS  PERFORM A DETAILED INSPECTION OF THE EQUIPMENTS INSTALLED ON THE BOTTOM SIDE OF THE EXTERNAL AIRFRAME FOR CORROSION, EVIDENCE OF WATER INTRUSION AND CORROSION PROTECTION DETERIORATION. (REMOVAL OF EACH EQUIPMENT IS REQUIRED ONLY IF CORROSION IS FOUND)  ZONE ID: 000-00  REF (DMC): 39-A-20-80-00-03A-31AA-D  REMARKS: <i>c/p. SATU.</i>	<i>Car</i> 8021	<i>[Signature]</i> 	23/1/23
3	CP100-04 DETAILED INSPECTION OF ACCESS PANELS AND PROVISION OF CABIN LOWER STRUCTURE  PERFORM A DETAILED INSPECTION OF THE ACCESS PANELS AND RELATED PROVISIONS OF THE CABIN LOWER STRUCTURE FOR CORROSION DAMAGE, SALT CONTAMINATION, EVIDENCE OF WATER INTRUSION AND CORROSION PROTECTION DETERIORATION. (REMOVAL OF THE ACCESS PROVISIONS IS REQUIRED)  ZONE ID: 100-09  REF (DMC): 39-A-20-81-09-01A-31AA-D  REMARKS: <i>c/p. SATU.</i>	<i>Car</i> 8021	<i>[Signature]</i> 	23/1/23

\*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.

\*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



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK    OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	12776-002
	AIRCRAFT	31809	REFER WORKPACK		WORK/INSP/DESC:	6 MONTHS CORROSION
	#1 ENGINE:	PCE-KB2112	REFER WORKPACK		WORKPACK REF:	9M-PMD-12776
	#2 ENGINE:	PCE-KB2092	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET:	2                      OF                      5

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
4	CP100-06 VISUAL CHECK OF THE CABIN FLOOR  VISUAL CHECK OF THE CABIN FLOOR FOR HARDWARE CONTAMINATION, EVIDENCE OF WATER INTRUSION, SEALANT AND CORROSION PROTECTION DETERIORATION. (REMOVAL OF THE FLOOR PANELS IS REQUIRED ONLY IF THERE IS A GAP IN THE SEALING OR A SUSPECT OF WATER INTRUSION)  ZONE ID: 100-13  REF (DMC): 39-A-20-81-13-00A-311A-D  REMARKS: <i>no. SATU.</i>	 8142	 	23/1/23
5	CP100-17 VISUAL CHECK OF THE COCKPIT FLOOR  PERFORM A VISUAL CHECK OF THE COCKPIT FLOOR FOR HARDWARE CONTAMINATION, EVIDENCE OF WATER INTRUSION, SEALANT AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 130-12  REF (DMC): 39-A-20-81-12-00A-311A-D  REMARKS: <i>no. SATU.</i>	 8142	 	23/1/23
6	CP100-20 VISUAL CHECK OF MAIN FUEL TANK SUMP AREAS  PERFORM A VISUAL CHECK OF THE MAIN FUEL TANK SUMP AREAS FOR CONDITION, CORROSION AND EVIDENCE OF WATER INTRUSION. (REMOVAL OF THE FUEL TANK SUMP COVERS IS REQUIRED)  ZONE ID: 160-06  REF (DMC): 39-A-20-81-06-01A-311A-D  REMARKS: <i>no. SATU.</i>	 8142	 	23/1/23

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TICK ✓ WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK    OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	12776-002
	AIRCRAFT	31809	REFER WORKPACK		WORK/INSP/DESC:	6 MONTHS CORROSION
	#1 ENGINE:	PCE-KB2112	REFER WORKPACK		WORKPACK REF:	9M-PMD-12776
	#2 ENGINE:	PCE-KB2092	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET:	3      OF      5

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
7	CP100-27 VISUAL CHECK OF BAGGAGE COMPARTMENT LOWER STRUCTURE  PERFORM A VISUAL CHECK OF THE BAGGAGE COMPARTMENT LOWER STRUCTURE AND THE RELATED INSTALLED EQUIPMENTS FOR SALT ACCUMULATION, EVIDENCE OF WATER INTRUSION AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 180-10  REF (DMC): 39-A-20-81-10-00A-311A-D  REMARKS: <i>C/O SATIS.</i>	<i>Jay</i> 8142	 M024 MALAYSIA	23/1/23
8	CP300-01 DETAILED INSPECTION OF TAIL BOOM LOWER AND INTERNAL STRUCTURE  PERFORM A DETAILED INSPECTION OF TAIL BOOM LOWER AND INTERNAL STRUCTURE AND RELATED INSTALLED EQUIPMENTS FOR CORROSION, EVIDENCE OF WATER INTRUSION, SALT ACCUMULATION AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 310-04  REF (DMC): 39-A-20-84-04-00A-31AA-D  REMARKS: <i>C/O SATIS.</i>	<i>Jay</i> 8142	 M024 MALAYSIA	23/1/23
9	CP300-04 VISUAL CHECK OF THE TAIL FIN  PERFORM A VISUAL CHECK OF THE TAIL FIN FOR EVIDENCE OF CORROSION, WATER INTRUSION, SALT ACCUMULATION AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 360-01  REF (DMC): 39-A-20-84-01-00A-311A-D  REMARKS: <i>C/O SATIS.</i>	<i>Car</i> 8021	 M024 MALAYSIA	23/1/23

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TICK ✓ WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE AW139	SERIAL NO. 31809	HOURS	LDG/CYCLE	WORKSHEET NO: 12776-002
AIRCRAFT TYPE: AW139	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: 6 MONTHS CORROSION
REGISTRATION: 9M-PMD	#1 ENGINE: PCE-KB2112	REFER WORKPACK		WORKPACK REF: 9M-PMD-12776
BASE/FACILITY: WMSA	#2 ENGINE: PCE-KB2092	REFER WORKPACK		AJL REF NO.: REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1 NF / N2	SHEET: 4 OF 5

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
10	CP300-05 VISUAL CHECK OF TAIL ROTOR DRIVE LINE IN THE UPPER DECK AREA  PERFORM A VISUAL CHECK OF THE SHAFTS, HARDWARE, DAMPERS AND BEARINGS FOR CONDITION, CONTAMINATION, SEALANT AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 400-07  REF (DMC): 39-A-20-82-07-01A-311A-D  REMARKS: <i>c/o. SATIS.</i>	<i>Car</i> 8021	 M024 MALAYSIA	<i>23/1/23</i>
11	CP400-03 DETAILED INSPECTION OF UPPER DECK EQUIPMENTS INTERFACE AREAS WITH THE STRUCTURE  PERFORM A DETAILED INSPECTION ON THE MATING SURFACES OF THE UPPER DECK EQUIPMENTS WITH THE STRUCTURE FOR SALT ACCUMULATION, WATER INTRUSION AND CORROSION. EXAMINE ALSO THE MAIN GEARBOX FITTINGS AND THE RELATED ATTACHMENT BOLTS FOR SALT ACCUMULATION AND CORROSION.  ZONE ID: 400-07 / 450-04  REF (DMC): 39-A-20-82-07-00A-31AA-D / 39-A-20-82-04-01A-31AA-D  REMARKS: <i>c/o. SATIS.</i>	<i>Car</i> 8021	 M024 MALAYSIA	<i>23/1/23</i>
12	CP400-04 VISUAL CHECK OF TAIL ROTOR DRIVE LINE IN THE TAIL BOOM AND TAIL FIN AREA  PERFORM A VISUAL CHECK OF THE SHAFTS, HARDWARE, DAMPERS AND BEARINGS FOR CONDITION, CONTAMINATION, SEALANT AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 360-01 / 490-03  REF (DMC): 39-A-20-84-01-01A-311A-D / 39-A-20-82-03-01A-311A-D  REMARKS: <i>c/o. SATIS.</i>	<i>Car</i> 8041	 M024 MALAYSIA	<i>23/1/23</i>

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TICK ✓ WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK    OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	12776-002
	AIRCRAFT	31809	REFER WORKPACK		WORK/INSP/DESC:	6 MONTHS CORROSION
	#1 ENGINE:	PCE-KB2112	REFER WORKPACK		WORKPACK REF:	9M-PMD-12776
	#2 ENGINE:	PCE-KB2092	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET:	5      OF      5

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
13	CP400-06 DETAILED INSPECTION OF THE MAIN ROTOR HEAD AND BLADES  PERFORM A DETAILED INSPECTION OF THE MAIN ROTOR HEAD AND BLADES FOR EVIDENCE OF WATER INTRUSION, CORROSION DAMAGE, PAINT AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 410-01  REF (DMC): 39-A-20-82-01-00A-31AA-D  REMARKS: <i>c/o. SATS.</i>	<i>[Signature]</i> 8130	<i>[Signature]</i> 	<i>23/1/23</i>
14	CP400-08 DETAILED INSPECTION OF THE TAIL ROTOR HEAD AND BLADES  PERFORM A DETAILED INSPECTION OF THE TAIL ROTOR HEAD AND BLADES FOR EVIDENCE OF WATER INTRUSION, CORROSION DAMAGE, PAINT AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 430-02  REF (DMC): 39-A-20-82-02-00A-31AA-D  REMARKS: <i>c/o. SATS.</i>	<i>[Signature]</i> 8130	<i>[Signature]</i> 	<i>23/1/23</i>
15	CP400-12 VISUAL CHECK OF TAIL BOOM UPPER STRUCTURE  PERFORM A VISUAL CHECK OF THE TAIL BOOM UPPER STRUCTURE FOR EVIDENCE OF CORROSION, WATER INTRUSION, SALT ACCUMULATION AND CORROSION PROTECTION DETERIORATION.  ZONE ID: 490-03  REF (DMC): 39-A-20-82-03-00A-311A-D  REMARKS: <i>c/o. SATS.</i>	<i>[Signature]</i> 8130	<i>[Signature]</i> 	<i>23/1/23</i>

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CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PMD BASE/FACILITY: WMSA DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	12776-002
	AIRCRAFT	31809	REFER WORKPACK	WORK/INSP/DESC:	6 MONTHS CORROSION
	#1 ENGINE:	PCE-KB2112	REFER WORKPACK	WORKPACK REF:	9M-PMD-12776
	#2 ENGINE:	PCE-KB2092	REFER WORKPACK	AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET: 1 OF 1

Reason for raising: SCHEDULED INSPECTIONS PERFORM I.A.W AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021, AW139 IETP -41ST ISSUE DATE 2022-06-28 UPDATE: 2022-07-20 OR LATER APPROVED REVISION	Raised by and date: CAMO; Zulkarnaen Ibrahim 14/09/2022	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
Mohamad Shafiq Bin Azhar	GAM		23/9/22

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