

DELIVERY NOTE WP

DELIVER TO : ~~(AMENDED WORKPARK)~~

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/23/BOC/194
OUR REFERENCE: 9M-BOC-16855
WO REFERENCE: 2023-16855
DATE COMPLETION: 24 AUGUST 2023
AJL NUMBER: 04888

A/C DETAILS								
A/C TYPE	AW139	A/C REG	9M-BOC	A/C S/N	31289			
OWNER / OPERATOR	FIRE AND RESCUE DEPT. OF MALAYSIA	A/C TOTAL TIME	3868:26	LANDINGS	7178			
ENGINE #1 S/N	PCE-KB0661	T.S.N	3868:26	T.S.O	-			
ENGINE #2 S/N	PCE-KB0659	T.S.N	3868:26	T.S.O	-			
LIST OF TASKS PERFORMED	WP NUMBER	NUMBER OF PAGES						
		*WS	*PR	*TR	*ARC	*S	*SBC	*OTH
EASA AD 2018-01112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV. B PART II COMPLIANCE-ATA 62 MAIN ROTOR DAMPER INSPECTION AND REPLACEMENT	001	2	1	1	5	2	-	8
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. 1AS ABOVE.								
NAME	NURUL AMIRA	SIGNATURE	<i>Ms</i>	DATE	28 AUGUST 2023			
VERIFIED AND ACCEPTED BY				NUR HUSNINA BINTI MUHAMAD ZURAIDI CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)				
DATE				04/09/23				



CLIENT/OWNER: JABATAN BOMBA DAN PENYELAMAT MALAYSIA AIRCRAFT TYPE: AW139 REGISTRATION: 9M-BOC BASE/FACILITY: m1AT DATE IN: 24/08/23 OUT: 24/08/23	SERIAL NO. AIRCRAFT 31289 #1 ENGINE: PCE-KB0661 #2 ENGINE: PCE-KB0659	HOURS 3868:26 3868:26 3868:26	LDG/CYCLE 7198 - -	WORKPACK NO: 9M-BOC-16855 WORK/INSP/DESC: SB 139-452 REV.B PART II AERONET JOB NO.: 2023-16855 AJL REF NO.: 04888 SHEET: 1 OF 1
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Reason for raising: MR DAMPER REPLACEMENT TO BE CARRIED OUT I.A.W EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV.B PART II COMPLIANCE, AW139 IETP - 43RD ISSUE 2023-06-05	Raised by and date: CAMO; Husnina 22/08/2023	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	EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV.B PART II COMPLIANCE ATA 62 MAIN ROTOR DAMPER INSPECTION AND REPLACEMENT	16855-001	24/08/23	U3IR	<i>[Signature]</i>	
				ZHA FIR	<i>[Signature]</i>	8162
				SYAHIDA	<i>[Signature]</i>	
				AKMAL HIDAYAT	<i>[Signature]</i>	8320

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: *[Signature]* Date & Time: 24/08/23
1600

PART 145 - AMO RELEASE STATEMENT AMO/2016/02
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.....
.....
 * TICK ✓ WHERE APPLICABLE

NAME	U3IR
SIGN & APPROVAL	<i>[Signature]</i>
FIRM	G.A.M
DATE	24/08/23

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.

NUR HUSNINA BINTI MUHAMAD ZURAIDI
CAMO Planner
Galaxy Aerospace (M) Sdn Bhd
(1040262-D)

NAME	SIGN & APPROVAL	DATE
	<i>[Signature]</i>	30/08/23

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@galaxyaerospace.my

Work Order Number: 2023-16855

Work Pack Reference: 9M-BOC-16855

Date Issued: 22/08/2023

A/C Registration / SN: 9M-BOC/31289

Sheet: 1 of 1

Description:

Item	Description/Task/Inspection	Reference	Man Hours
1	EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV.B PART II COMPLIANCE - ATA 62 MAIN ROTOR DAMPER INSPECTION AND REPLACEMENT	EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV.B PART 2	<u>2.0</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@galaxyaerospace.my



CLIENT/OWNER: JABATAN BOMBA DAN PENYELAMAT MALAYSIA	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO: 16855-001
AIRCRAFT TYPE: AW139	AIRCRAFT: 31289	REFER WORKPACK		WORK/INSP/DESC: SB 139-452 REV.B PART
REGISTRATION: 9M-BOC	#1 ENGINE: PCE-KB0661	REFER WORKPACK		WORKPACK REF: II 9M-BOC-16855
BASE/FACILITY: MIAJ	#2 ENGINE: PCE-KB0659	REFER WORKPACK		AJL REF NO.: REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1 NF / N2	SHEET: 1 OF 2

Reason for raising: MR DAMPER REPLACEMENT TO BE CARRIED OUT I.A.W EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV.B PART II COMPLIANCE, AW139 IETP - 43RD ISSUE 2023-06-05	Raised by and date: CAMO; Husnina 22/08/2023	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
1	EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV. B PART II TO CARRY OUT EASA AD 2018-0112R1 PARA 16 (SB139-542 PART II) COMPLIANCE FOR MR LAG DAMPER P/N: 3G6220V01352 REFERENCES: SB139-452 REV. B PART II COMPLIANCE, EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) REMARKS: CARRIED OUT FOUND SATISFACTORY	2. 8/62	 JF	24/08/23
2	MR LAG DAMPER REMOVAL MR LAG DAMPER REMOVAL TO BE CARRIED OUT COMPLIANCE TO SB139-452 PART II P/N: 3G6220V01352 S/N: MCR7390 POSITION: BLACK DMC REFERENCE: 39-A-62-22-02-00A-520A-A REMARKS: CARRIED OUT FOUND SATISFACTORY	2. 8/62	 JF	24/08/23
3	MAIN ROTOR ANTI ROTATION BLOCK REMOVAL MR ANTI ROTATION BLOCK REMOVAL TO BE CARRIED OUT COMPLIANCE TO SB139-452 PART II P/N: 3G6220A05353 S/N: - POSITION: BLACK DMC REFERENCE: 39-A-62-22-07-00A-520A-A REMARKS: CARRIED OUT FOUND SATISFACTORY	2. 8/62	 JF	24/08/23

*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. **AMO/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

PAK'S / SUPPLIES RETURNED	DD: (REF)	APPROVE (S)	GROUP (RUI)	FLIGHT TEST	DRG. - CHK.	AD: (ADVA) WORKSHEET	TECHNICIAN'S EFFECT	PLANNING EFFECT	ENTRY UPDATE	STATUS (UPDATE)	LOG (STATUS)	AIRCRAFT LOG BOOK	FLIGHT LOG BOOK	PROPERTY (ISSUE)	CG (PART)	CAMOUF (ISSUE)	MATERIAL (BOOK)
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CLIENT/OWNER: JABATAN BOMBA DAN PENYELAMAT MALAYSIA	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	16 55-001
AIRCRAFT TYPE: AW139	AIRCRAFT: 31289	REFER WORKPACK		WORK/INSP/DESC:	SB 139-452 REV.B PART II
REGISTRATION: 9M-BOC	#1 ENGINE: PCE-KB0661	REFER WORKPACK		WORKPACK REF:	9M-BOC-16 55
BASE/FACILITY: MIAT	#2 ENGINE: PCE-KB0659	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK			NG / N1	NF / N2	SHEET: 2 OF 2

Reason for raising: MR AMPER REPLACEMENT TO BE CARRIED OUT I.A. EASA A 201 -0112R1 TERMINATING ACTION PARA 16 SB 139-452 REV.B PART II COMPLIANCE A 139 IETP 43R ISS E 2023-06-05

Raised by and date: CAMO; Husnina 22/08/2023

Other requirements/information: NIL

Item	Description	Technician	* Eng. CRS	Date
4	<p>MAIN ROTOR ANTI ROTATION BLOCK INSTALLATION</p> <p>MR ANTI ROTATION BLOCK INSTALLATION TO BE CARRIED OUT COMPLIANCE TO SB139-452 PART II</p> <p>DMC REFERENCE: 39-A-62-22-07-00A-720A-A</p> <p>REMARKS: CARRIED OUT FOUND SATISFACTORY</p>	<i>Husnina</i> 8320	<i>IF</i> 	24/08/23
4.1	<p>THE INDEPENDENT INSPECTION FOR TASK MAIN ROTOR ANTI ROTATION BLOCK FOR CORRECT INSTALLATION, PROPER INSTALLATION AND SECURITY OF ATTACHMENT CARRIED OUT IN ACCORDANCE WITH THE CAD 8601 PARA 5.12(3)</p> <p>1st Inspector Sign: <i>IF</i> Approval/Stamp: DATE: 24/08/23</p> <p>2nd Inspector Sign: <i>Syahrul</i> Approval/Stamp: DATE: 24/8/23</p>			
5	<p>MR LAG DAMPER INSTALLATION</p> <p>MR LAG DAMPER INSTALLATION TO BE CARRIED OUT COMPLIANCE TO SB139-452 PART II</p> <p>DMC REFERENCE: 39-A-62-22-02-00A-720A-A</p> <p>NOTE: FOR ROTOR TRACK AND BALANCE REFER WP: 9M-BOC-16854.</p> <p>REMARKS: CARRIED OUT FOUND SATISFACTORY</p>	<i>Husnina</i> 8320	<i>IF</i> 	24/08/23
5.1	<p>THE INDEPENDENT INSPECTION FOR TASK MR LAG DAMPER FOR CORRECT INSTALLATION, PROPER INSTALLATION AND SECURITY OF ATTACHMENT CARRIED OUT IN ACCORDANCE WITH THE CAD 8601 PARA 5.12(3)</p> <p>1st Inspector Sign: <i>IF</i> Approval/Stamp: DATE: 24/08/23</p> <p>2nd Inspector Sign: <i>Syahrul</i> Approval/Stamp: DATE: 24/8/23</p>			

*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. **AMO/2016/02**

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TICK WHERE APPLICABLE

PAKES ASSEMBLY RETURNED	NO. FAULTS	EXPIRE DATE	GR2 IN FULL	FLIGHT TEST	TO DO CHK	ADDITIONAL WORKSHEET	IN CHECK- OFF LIST	FINISHED PARTIAL	DATE UPDATE	SIGN UPMTR	NO. STATUS	AIRCRAFT LOG BOOK	HIS/IN- BOOK	PROF IN- BOOK	CG /AD	C-WEIGHT CG DATA	WEIGHT BOOK
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Aircraft Serial No:	31289	Work Pack No:	9M-BOC-16855
Aircraft Type:	AW139	DESC:	SB 139-452 REV.B PART II
Aircraft Reg:	9M-BOC	PAGE:	1 Of 1

Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date
TORQUE WRENCH 10-50 LBF IN	6060A	916804843	9M-BOC-16855 ITEM NO.4	14/04/2024
TORQUE WRENCH 200-1000 LBF IN	6066C	DVA 68440	9M-BOC-16855 ITEM NO.5	05/11/2024
MULTIMETER	FLUKE-1587	56060090	9M-BOC-16855 ITEM NO.5	30 JAN 2024
/				

SERVICEABLE			GalaxyAerospace maintenance . repair . overhaul
ITEM ID:	53177		
DESCRIPTION:	HUB DAMPER BOLT		
PART NO:	3G6220L00351	QTY:	1.00
SERIAL NO:	PPP0193	BIN:	D -06-01
CONDITION:	NE	LOCATION:	WAREHOUSE BONDED
TSN:	N/A	TSO:	N/A
SHELF DUE / EXP DATE:	N/A		
JOB ID:	16239	PO ID:	SIGN:
GIN / ID. NO:	GiN4634	APPROVAL:	 03/07/2023
			

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



SERVICEABLE			GalaxyAerospace maintenance . repair . overhaul
ITEM ID:	32414		
DESCRIPTION:	MAIN ROTOR DAMPER		
PART NO:	3G6220V01353	QTY:	1.00
SERIAL NO:	MCR6111	BIN:	--
CONDITION:	OH	LOCATION:	WAREHOUSE BONDED
TSN:	N/A	TSO:	N/A
SHELF DUE / EXP DATE:	N/A		
JOB ID:	0	PO ID:	SIGN:
GIN / ID. NO:	GiN4753	APPROVAL:	 23/08/2023
			

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

SERVICEABLE



GalaxyAerospace
maintenance . repair . overhaul

ITEM ID:	54431	
DESCRIPTION:	DAMPER ANTI-ROTATION BLOCK	
PART NO:	3G6220A05353	QTY: 1.00
SERIAL NO:	N/A	BIN: D-10-01
CONDITION:	NE	LOCATION: WAREHOUSE BONDED
TSN:	N/A	TSO: N/A
SHELF DUE / EXP DATE:	N/A	
JOB ID:	16853	PO ID:
GIN / ID. NO:	GIN279	APPROVAL:
		
		SIGN:  23/03/2021

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



CLIENT/OWNER: JABATAN BOMBA DAN PENYELAMAT MALAYSIA AIRCRAFT TYPE: AW139 REGISTRATION: 9M-BOC BASE/FACILITY: MIAT DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	16855-001	
	AIRCRAFT	31289	REFER WORKPACK		WORK/INSP/DESC:	SB 139-452 REV.B PART II	
	#1 ENGINE:	PCE-KB0661	REFER WORKPACK		WORKPACK REF:	9M-BOC-16855	
	#2 ENGINE:	PCE-KB0659	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK	
					NG / N1	NF / N2	SHEET: 1 OF 1

REASON FOR RAISING: MR DAMPER REPLACEMENT TO BE CARRIED OUT I.A.W EASA AD 2018-0112R1 (TERMINATING ACTION PARA 16) SB 139-452 REV.B PART II COMPLIANCE, AW139 IETP - 43RD ISSUE 2023-06-05	Raised by and date: CAMO; Husnina 22/08/2023	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.	366220V 01353	MAIN ROTOR DAMPER	-	MCR 6111	1	MRH BLACK	REPLACED	-	GIN 4753
2.	366220V 01352	MAIN ROTOR DAMPER	MCR 7390	-	1	MRH BLACK	REPLACED	-	-
3.	366220L 00351	HUB DAMPER BOLT	SN: 1745	SN: PPP 0193	1	MRH BLACK	REPLACED	-	GIN 4634
4.	366220A 05353	DAMPER ANTI ROTATIONAL BLOCK	N/A	N/A	1	MRH BLACK	REPLACED	-	GIN 299.
/									

NAME	FIRM	SIGN & APPROVAL	DATE
USIR	G.A.M		24/08/23

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TICK WHERE APPLICABLE

PARTS -SHELLS -KITTING	DE- WAFED	DUPICATE KEYS	STAND EQUIP	HIGH TUN EQUIP	TOOLING EQUIP	ADDITIONAL WORKPCL	WORKPCK EQUIP	TRAINING EQUIP	DIAG EQUIP	SPARE EQUIP	DD EQUIP	AIRCRAFT EQUIP	ENGINE/AV EQUIP	PROPPELLER EQUIP	WAF CARD	PERMITS EQUIP	INSTRUMENT EQUIP
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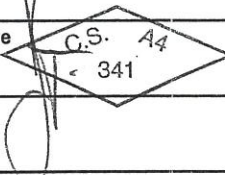
1. Approving Competent Authority/Country ENAC / ITALY	2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number AGU - 2022 - IT15 - 13549
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4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy	5. Work Order/Contract/Invoice Ref. Ord. N. 4802636077 Ref. P.L. N. 0008426253
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6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work
000001	HUB DAMPER BOLT	3G6220L00351	57 N	PPP0169,PPP0170,PPP0171 PPP0172,PPP0173,PPP0174 PPP0175,PPP0176,PPP0177 PPP0178,PPP0179,PPP0180 PPP0181,PPP0183,PPP0184 PPP0185,PPP0186,PPP0187 PPP0188,PPP0189,PPP0190	NEW

12. Remarks NONE	Page: 1 of 3
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13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12	14a. <input type="checkbox"/> Part 145.A.50 Release to Service <input type="checkbox"/> Other Regulation Specified in block 12 <small>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service</small>
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13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature	14c. Certificate/Approval Ref.N.
13d. Name Alessandro Di Tommaso	13e. Date (dd mmm yyyy) 23 Dec 2022	14d. Name	14e. Date (dd mmm yyyy)

USER/INSTALLER RESPONSIBILITIES

° This certificate does not automatically constitute authority to install the item(s)
 ° Where the user / installer performs work in accordance with regulations of an airworthiness authority different 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.

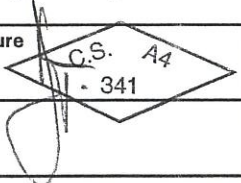
1. Approving Competent Authority/Country ENAC / ITALY	2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number AGU - 2022 - IT15 - 13549
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4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy	5. Work Order/Contract/Invoice Ref. Ord. N. 4802636077 Ref. P.L. N. 0008426253
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6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work
				PPP0191,PPP0192,PPP0193 PPP0194,PPP0195,PPP0196 PPP0197,PPP0198,PPP0199 PPP0200,PPP0201,PPP0202 PPP0203,PPP0204,PPP0205 PPP0206,PPP0207,PPP0208 PPP0209,PPP0210,PPP0211	

12. Remarks NONE	Page: 2 of 3
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13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12	14a. <input type="checkbox"/> Part 145.A.50 Release to Service <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 Part 145 and in respect to that work the items are considered ready for Release to Service
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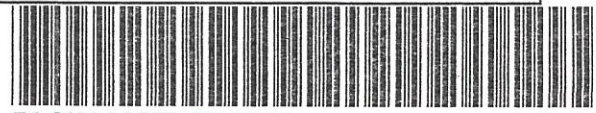
13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature	14c. Certificate/Approval Ref.N.
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13d. Name Alessandro Di Tommaso	13e. Date (dd mmm yyyy) 23 Dec 2022	14d. Name	14e. Date (dd mmm yyyy)
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USER/INSTALLER RESPONSIBILITIES

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Leonardo Malaysia Sdn. Bhd. COPIA CONFORME ALL'ORIGINALE COPY OF ORIGINAL



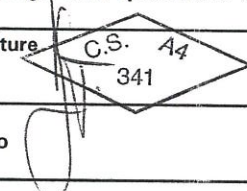
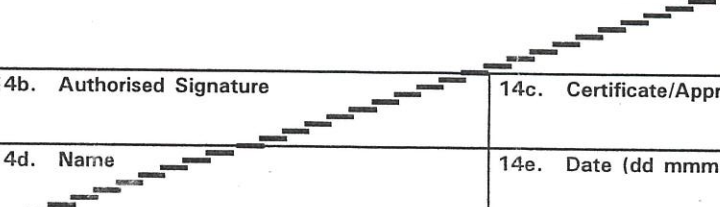
1. Approving Competent Authority/Country ENAC / ITALY	2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number AGU - 2022 - IT15 - 13549
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4. Organisation name and address: Leonardo S.p.a. - Helicopters Piazza Monte Grappa 4 00195 ROMA, Italy	5. Work Order/Contract/Invoice Ref. Ord. N. 4802636077 Ref. P.L. N. 0008426253
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6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work
	-----	--- LAST ITEM ---		PPPO212,PPPO213,PPPO214 PPPO215,PPPO216,PPPO217 PPPO218,PPPO219,PPPO220 PPPO221,PPPO222,PPPO223 PPPO224,PPPO225,PPPO226 -----	

12. Remarks NONE	Page: 3 of 3
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13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12	14a. <input type="checkbox"/> Part 145.A.50 Release to Service <input type="checkbox"/> Other Regulation Specified in block 12 <small>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for Release to Service</small>
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13b. Authorised Signature 	13c. Approval/Authorisation Number IT.21G.0007	14b. Authorised Signature 	14c. Certificate/Approval Ref.N.
13d. Name Alessandro Di Tommaso	13e. Date (dd mmm yyyy) 23 Dec 2022	14d. Name	14e. Date (dd mmm yyyy)

USER/INSTALLER RESPONSIBILITIES

° This certificate does not automatically constitute authority to install the item(s)

° Where the user / installer performs work in accordance with regulations of an airworthiness authority different 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.

Leonardo Malaysia Sdn. Bhd. COPIA CONFORME ALL ORIGINALE COPY OF ORIGINAL



EAGU2022IT1513549

1. Approving Competent Authority/Country
ENAC / ITALY

2.

AUTHORISED RELEASE CERTIFICATE EASA FORM 1

3. Form Tracking Number
AGU - 2019 - IT15 - 11281

4. Organisation name and address:

Leonardo S.p.a. - Helicopters
Piazza Monte Grappa 4
00195 ROMA, Italy

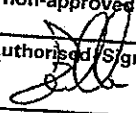

5. Work Order/Contract/Invoice
Ref. Ord. N. 4801771536
Ref. P.L. N. 0008007728

6.Item	7.Description	8.Part No	9.Qty.	10.Serial No	11.Status/Work
000001	DAMPER ANTI-ROTATION BLOCK	3G6220A05353 -- LAST ITEM --	200 EA	N.A.	NEW

12. Remarks
Ref. C.o.C. MECAL n° 34831

13a. Certifies that the items identified above were manufactured in conformity to:
 approved design data and are in a condition for safe operation
 non-approved design data specified in block 12

14a. Part 145.A.50 Release to Service 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 Part 145 and in respect to that work the items are considered ready for Release to Service

13b. Authorised Signature



13c. Approval/Authorisation Number
IT.21G.0007

14b. Authorised Signature

14c. Certificate/Approval Ref.N.

13d. Name
Luigi Zerella

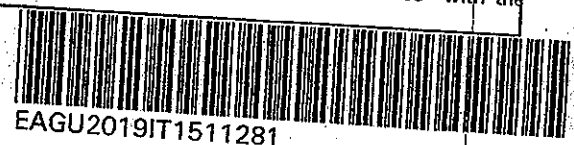
13e. Date (dd mmm yyyy)
10 May 2019

14d. Name

14e. Date (dd mmm yyyy)

USER/INSTALLER RESPONSIBILITIES

- This certificate does not automatically constitute authority to install the item(s)
- Where the user / installer performs work in accordance with regulations of an airworthiness authority different 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.



EAGU2019IT1511281

1. Approving Competent Authority / Country (Autorità competente di approvazione / Stato) E.N.A.C ITALIA		2. AUTHORIZED RELEASE CERTIFICATE (CERTIFICATO DI RIAMMISSIONE IN SERVIZIO) EASA FORM 1 (MODELLO 1 AESA)			3. Form Tracking Number (Numero di riferimento del modulo) 2022/ MC / 3604/ TTO	
4. Organization Name and Address (Società (nome e indirizzo)) MECAER AVIATION GROUP Via per Arona 46 28021 Borgomanero (NO) Italy				5. Work Order/Contract/Invoice (Ordine/Contratto/Fattura) B56008601/ 4802721907		
6. Item (Componente)	7. Description (Descrizione)	8. Part N° (Codice Prodotto)	9 Qty (Quant.)	10. Serial No (Numero di serie)	11. Status/Work (Status / Lavoro)	
11.1	AW139 M. R. LAG DAMPER ASSY	M006-01H001-011	1	MCR6111	OVERHAULED	
12 Remarks (osservazioni) The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under FAA certificate no. 6MCY575B FH: 2282:32 (00:00 TSO) OVERHAULED AND MODIFIED TO P/N 3G6220V01353 I.A.W. MAG CRM 62-21-06, ISS.5. ATTACHED LOG CARD, TEST REPORT AND WORK REPORT N. B51028337						
13a. Certifies that the items identified above were manufactured in conformity to (Certifica che i componenti sopra identificati sono fabbricati in conformità a:			14a 145A.50 Release to Service (Riammissione in servizio)		Other regulation specified in block 12 (Altro regolamento specificato nel campo 12)	
<input type="checkbox"/> Approved design data and are in condition for safe operation Dati di progettazione approvati ed in condizione idonee a garantire la sicurezza di funzionamento <input type="checkbox"/> Non-approved design data specified in block 12 Dati di progettazione non approvati specificati nel campo 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 Part 145 and in respect to that work the items are considered ready for release to service. (Certifica che, se non diversamente specificato nel campo 12, gli interventi individuati nel campo 11 e descritti nel campo 12 sono stati realizzati in conformità con i requisiti della Parte 145, e che, in riferimento a tali interventi, i componenti sono considerati pronti per la riammissione in servizio)			
13b. Authorised Signature (Firma Autorizzata)		13c. Approval / Authorisation Number (Numero di approvazione / autorizzazione)		14b. Authorised Signature (Firma) CIT N° 163		14c. Certificate / Approval Ref. No (Rif. Certificato/ approvazione) ENAC Ref. No. IT.145.0244
13d. Name. (Nome e Cognome)		13e. Date. (dd mmm yyyy) (Data gg/mmm/aaaa)		14d. Name (Nome) Domenico Mango		14e. Date. (dd mmm yyyy) (Data gg/mmm/aaaa) 31- Oct- 2022
USER / INSTALLER RESPONSIBILITIES This certificate does not automatically constitute authority to install the items(s) Where the user/installer performs work in accordance with regulations of airworthiness authority different 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 RESPONSABILITA' DELL'UTENTE INSTALLATORE Il presente certificato non costituisce automaticamente un'autorizzazione a installare i componenti. Se l'utente/installatore lavora secondo le direttive nazionali di un'autorità aeronautica diversa da quanto specificato nel campo 1, è tenuto obbligatoriamente a verificare che l'autorità aeronautica cui fa capo accetti i componenti dell'autorità specificata nel campo 1 Le dichiarazioni di cui ai campi 13a e 14a non costituiscono una certificazione dell'installazione. In qualsiasi caso, la documentazione della manutenzione agli aeromobili deve contenere un certificato di installazione rilasciato dall'utente / installatore in conformità alle normative nazionali, prima che l'aeromobile torni a volare.						

82122159

Mecaer Aviation Group S.p.A.

RAPPORTO DI LAVORO

WORK REPORT

N° B51028337

Del/of 31.10.2022

REPLACEMENTS

P/N AND NAME	QTY	REASON
SEALS KIT	1,00	OVERHAUL / UPGRADE
M006-01H046-041 BODY END ASSY	1,00	DAMAGE / UPGRADE
M006-01H004-053 EYE END ASSY	1,00	BRG PLAY / CORROS/ UPGRADE
M006-01H014-105 RESERVOIR PISTON	1,00	DAMAGE
M006-01H018-103 SLEEVE (CHROME)	1,00	FAIL NDT INSPECTION
M006-01H029-103 BLOCKING RING	1,00	DAMAGE / CORROSION
M006-01H032-103 BODY	1,00	DAMAGE / CORROSION
M006-01H044-101 LEVEL INDICATOR CYLINDER	1,00	WEAR
M006-01H041-101 RELIEF VALVE SPRING	4,00	OVERHAUL

LUOGO E DATA (PLACE AND DATE)

Borgomanero li

31.10.2022

CERTIFYING STAFF
FIRMA (SIGNATURE)

D.Mango C.I.T. N° 163

CERTIFICATO DI COLLAUDO

DAMPER ROTORE PRINCIPALE AW139

P/N AgustaWestland: 3G6220V01353

P/N M.A.G. : M006-01H001-011

S/N: MCR6111

O.L: B51028337

Paragrafo CRM	Prova	Unità di misura	Requisito	Rileva	Contr.
4 Sez. Testing	Temperatura ambiente	°C	tra 15 e 35	21.0	MAG 442
5 Sez. Testing	Ispezione visiva		Conformità	OK	MAG 442
5.1 Sez. Testing	Controllo della corsa:				
	lunghezza tutto retratto L1	mm	342,5 ± 0,5	342.80	MAG 442
	lunghezza tutto esteso L2	mm	411,5 ± 0,5	411.60	
5.3 Sez. Testing	Verificare scorrimento pistone serbatoio		Conformità	OK	MAG 442
5.4 Sez. Testing	Carico di attrito del pistone:				
	in compressione	daN	≤ 30	22.68	MAG 442
	in trazione	daN	≤ 30	21.42	
5.5.1 Sez. Testing	Prova di pressione del serbatoio: 4,5 bar per 3 minuti	bar	Conformità	OK	MAG 442
5.5.2 Sez. Testing	Prova di pressione delle camere: 60 bar	cc/min	100 ÷ 1000	800	MAG 442
5.6 Sez. Testing	Riempimento e spurgo		Conformità	OK	MAG 442
			MIL-PRF-5606	<input checked="" type="checkbox"/>	MAG 442
			MIL-PRF-83282	<input type="checkbox"/>	MAG 442
5.7 Sez. Testing	Caratterizzazione (curva caratteristica)		Figura 1001	OK	MAG 442
5.8 Sez. Testing	Perdite verso l'esterno		Conformità	OK	MAG 442
5.2 Sez. Testing	Verifica del bonding	mΩ	< 10	1,51	MAG 130
	Documentazione:				
	Certificato di collaudo			OK	
	Curve caratteristiche			OK	
	Cartellini di controllo			OK	MAG 130

NOTE:

DATA:

27/10/2022

TIMBRO:

MAG 442

MAG 130

RILEVATO:

CONTROLLATO:

MAG 118

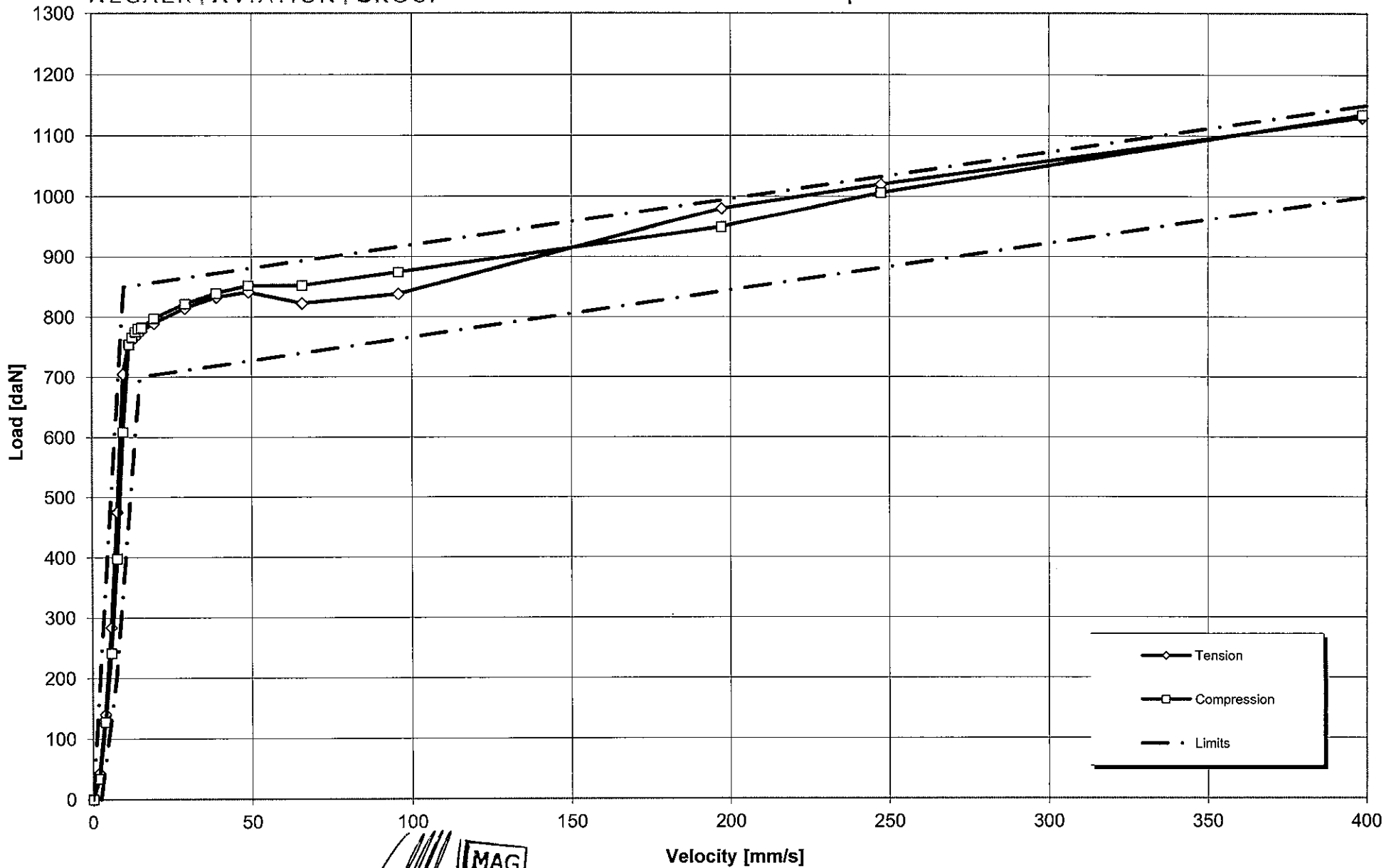


DAMPER P/N M006-01H001-011 S/N: MCR6111

MECAER | AVIATION | GROUP

Date: 27/10/2022

Operator: Mesiti G.



 MAG 442

AGUSTA

UNA SOCIETA' DI AGUSTAWESTLAND



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 1

Chapter n° 62-20
 Part n° 249 01/8
38600 PH 2

DESCRIPTION MAIN ROTOR LAG DAMPER C062-01	P/N 3G6220V01352	S/N MCR 6111	MANUFACTURER NAME MECAER	ASSEMBLY DATE 03/2012	RETIREMENT LIFE 2400 OH / 18000 PH
	P/N 3G6220V01353	S/N MCR 6111	MANUFACTURER NAME MECAER	DATE OF CHANGE 10/2022	RETIREMENT LIFE
	P/N	S/N	MANUFACTURER NAME	DATE OF CHANGE	RETIREMENT LIFE

NOTES

PO. NAY/16. 216
 ARC: C0C: 4801300248/LXP DTP 30.06.2016

DNE: 3389,10

ASSEMBLY HISTORICAL RECORD

INSTALLATION							REMOVAL							
DATE	A/C		ASSY			ORGANIZATION	STAMP AND SIGNATURE	DATE	A/C TOTAL TIME	ASSY		REASON OF REMOVAL	ORGANIZATION	STAMP AND SIGNATURE
	R. MARKS	N/C	TOTAL TIME	TOTAL TIME	TIME SNCE OH					TOTAL TIME	TIME SINCE OH			
27.04.2012	9M-BCC	31289	591.60	00:00	NEW	Aired (GAP 825 ASB)	DR: 119/BCC	20.12.2015	1005.20	1005.40	NEW	EXCESSIVE LEAKAGE	Aired (DR: 1050/BCC)	P/C 77 ASB
28.07.2017	9M-BCC	31289	1994.50	1005.40	NEW	Aired (DR: 1503/BCC)	ASB	28/7/2021	3271.38	2282:32 1277:28	NEW	SEND FOR OVERHAUL	GAM	(Stamp)
24.08.2023	9M-BCC	31289	3868:26	2282:32	(NEW)	GAM	9M-BCC-16855 (Stamp)							

AGUSTA

UNA SOCIETA' DI AGUSTAWESTLAND



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 2

Chapter n°

Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION	P/N	S/N	RETIREMENT LIFE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE
SLEEVE	M006-01H018-103	MCR4602	/	00:00	00:00	NEW	 A4 145	2282:32	2282:32	/	 MAG 130
BODY END ASSY	M006-01H002-041	MCR6028	/	00:00	00:00	NEW	 A4 145	1005.60	1005.60	/	 MAG 140
BLOCKING	M006-01H029-103	MCR5925	/	00:00	00:00	NEW	 A4 145	2282:32	2282:32	/	 MAG 506
BODY	M006-01H032-103	MCR6719	/	00:00	00:00	NEW	 A4 145	2282:32	2282:32	/	 MAG 506
PISTON-FLANGES ASSY	M006-01H012-045	MCR12608	/	00:00	00:00	NEW	 A4 145				
EYE END ASSY	M006-01H004-045	MCR4093	/	00:00	00:00	NEW	 A4 145	1005.60	1005.60	/	 MAG 140
EYE END ASSY	M006-01H006-045	MCR1209RW		1005.60	937.25	00.00	 MAG 140	2282:32	2214:23	1277:08	 MAG 506
BODY END ASSY	M006-01H002-047	MCR15088		1005.60	00.00	NEW	 MAG 140	2282:32	1277:08	/	 MAG 506
BODY	M006-01H032-103	COM 20253		2282:32	00:00	NEW	 MAG 130				
BLOCKING RING	M006-01H029-103	CAS00731		2282:32	00:00	NEW	 MAG 130				
SLEEVE	M006-01H018-103	MCR15506		2282:32	00:00	NEW	 MAG 130				
EYE END ASSY	M006-01H004-053	MCR25133		2282:32	00:00	NEW	 MAG 130				



AgustaWestland
A Finmeccanica Company

LOG CARD

Sezione 2 **A**

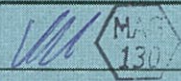
NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n° 62

Part n°

P/N 3G6220V01353

S/N MCR6111



LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION (28)	P/N (29)	S/N (30)	RETIREMENT LIFE (31)	ASSY TOTAL TIME (32)	COMP. TOTAL TIME (33)	COMP. TIME SINCE OH (34)	STAMP AND SIGNATURE (35)	ASSY TOTAL TIME (36)	COMP. TOTAL TIME (37)	COMP. TIME SINCE OH (38)	STAMP AND SIGNATURE (39)
BODY END ASSY	M006-01H046-041	MCR11221	2400 HRS	2282:32	00:00	NEW					

AGUSTA

UNA SOCIETA' DI AGUSTAWESTLAND



LOG CARD

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Sezione 3

Chapter n°

Part n°

ACTIVITY RECORD

DATE	ASSY TOTAL TIME	TASK	ACTIVITY	DATE	ORGANIZATION	STAMP AND SIGNATURE
30/12 2015	1005.40	EXCESSIVE LEAKING	REPAIRED I.A.W. CMM 62-21-06 ISSUE 4 REV. 4	27/06 2016	 MECAER AVIATION GROUP S.P.A. BORGOMANERO	 MAG 140
07/1 2021	2282:32	SEND FOR OVERHAUL	OVERHAULED AND MODIFIED TO PIN 366220V01353 I.A.W. CMM 62-21-06 ISSUE 5	31 OCT 2022	 MECAER AVIATION GROUP S.P.A. BORGOMANERO-ITALY	 MAG 130



LOG CARD

Sezione 4

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.


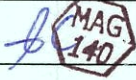
Chapter n°

Part n°

DIRECTIVES COMPLIANCE

MANDATORY DIRECTIVES

OPTIONAL DIRECTIVES

DIRECTIVE NUMBER	ISSUE	DATE OF COMPLIANCE	ORGANIZATION	STAMP SIGNATURE	DIRECTIVE NUMBER	ISSUE	DATE OF COMPLIANCE (49)	ORGANIZATION (50)	STAMP SIGNATURE (51)
B.T. 139-450 PART I AND VIII	APR. 20 2016	JUN. 27, 2016	 MECAER AVIATION GROUP SPA #ORGOMANERO						

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n°
Part n°

LIMITED LIFE COMPONENTS INSTALLED ON ASSY

COMPONENT DATA				INSTALLATION				REMOVAL			
DESCRIPTION	P/N	S/N	RETIREMEN T LIFE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE	ASSY TOTAL TIME	COMP. TOTAL TIME	COMP. TIME SINCE OH	STAMP AND SIGNATURE
SLEEVE	M006-01H018-103	MCR7146	/	00:00	00:00	NEW					
BODY END ASSY	M006-01H002-041	MCR7899	/	00:00	00:00	NEW					
BLOCKING	M006-01H029-103	MCR8175	/	00:00	00:00	NEW		183:40	183:40	/	
BODY	M006-01H032-103	MCR8577	/	00:00	00:00	NEW					
PISTON-FLANGES ASSY	M006-01H012-045	MCR13463	/	00:00	00:00	NEW					
EYE END ASSY	M006-01H004-045	MCR6537	/	00:00	00:00	NEW		0:00	0:00	NEW	
EYE END ASSY	M006-01H004-045	MCR6537		00:00	22:40	Diversion from Damper MCR5125		183:40	216:20	/	
EYE END ASSY	M006-01H006-045	MCR4298RW		183:40	985:06	00:00					
BLOCKING RING	M006-01H029-103	MCR13053		183:40	00:00	NEW					

Rev. 3

AQ 12-04

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n°
Part n°

ACTIVITY RECORD

DATE	ASSY TOTAL TIME	TASK	ACTIVITY	DATE	ORGANIZATION	STAMP AND SIGNATURE
	183:40	REALIGNMENT ROD END BRG	REPAIRED + INSPECTED AND TESTED	16 SET. 2015	HECAER AVIATION GROUP S.P.A. BORGOMANERO-ITALY	
	183:40	LEAK	REPAIRED I.A.W. CMM 62-21-06 ISSUE 4 REV. 4	SEPT. 29 2016	HECAER AVIATION GROUP S.P.A. BORGOMANERO	

AQ 12-04



LOG CARD

Sezione 4

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n°
Part n°

DIRECTIVES COMPLIANCE

MANDATORY DIRECTIVES

OPTIONAL DIRECTIVES

DIRECTIVE NUMBER	ISSUE	DATE OF COMPLIANCE	ORGANIZATION	STAMP SIGNATURE	DIRECTIVE NUMBER	ISSUE	DATE OF COMPLIANCE (49)	ORGANIZATION (50)	STAMP SIGNATURE (51)
B.T. 139-450 PART I AND VIII	REV. A	SEPT. 29, 2016	MECAER AVIATION GROUP S.P.A. CORGHANERO						

Rev. 3

AQ 12-04



LOG CARD

Sezione 1

NOTICE: WHEN THIS ASSY IS RETURNED FOR ANY REASON TO AN AGUSTA GROUP FACILITY, PLEASE SEND THIS FORM UPDATED.

Chapter n° 62
Part n°

DESCRIPTION MAIN ROTOR LAG DAMPER C062-01	P/N 3G6220V01352	S/N MCR7390	MANUFACTURER NAME MECAER	ASSEMBLY DATE 10-05-13	RETIREMENT LIFE 2400FH/OH
	P/N	S/N (BLACK)	MANUFACTURER NAME	DATE OF CHANGE	RETIREMENT LIFE
	P/N	S/N	MANUFACTURER NAME	DATE OF CHANGE	RETIREMENT LIFE
	P/N	S/N	MANUFACTURER NAME	DATE OF CHANGE	RETIREMENT LIFE

NOTES

ARC: 2016/MC/3342/TTO DTD 30.9.2016

DUE: 4153-14

ASSEMBLY HISTORICAL RECORD

INSTALLATION

REMOVAL

DATE	A/C		ASSY			ORGANIZATION	STAMP AND SIGNATURE	DATE	A/C TOTAL TIME	ASSY		REASON OF REMOVAL	ORGANIZATION	STAMP AND SIGNATURE
	R. MARKS	N/C	TOTAL TIME	TOTAL TIME	TIME SNCE OH					TOTAL TIME	TIME SINCE OH			
2014 9.12		31354	1155:00	00:00	NEW	JCG Sendai		2015 3.11	1338:40	183:40	NEW 182:40	MISS Alignment Red END BRG	JCG Sendai	M. Yoshida
17.05. 2017	9M- BCC	31289	1936.80	183.66	NEW	AIRCO (DR: 1426/0057)		24.08. 2023	3868:26	2115:17	NEW	REPLACED REFER WP 9M-BCC-16855	GAM	

AQ 12-04

1. Approving Competent Authority / Country (Autorità competente di approvazione / Stato) E.N.A.C ITALIA	2. AUTHORIZED RELEASE CERTIFICATE (CERTIFICATO DI RIAMMISSIONE IN SERVIZIO) EASA FORM 1 (MODELLO 1 AESA)	3. Form Tracking Number (Numero di riferimento del modulo) 2016/MC / 3342/TTO
---	---	--

4. Organization Name and Address (Società (nome e indirizzo)) <p style="text-align: center;">MECAER AVIATION GROUP Via per Arona 46 28021 Borgomanero (NO) Italy</p>	5. Work Order/Contract/Invoice (Ordine/Contratto/Fattura) B56003029 /4801346251/LMB
---	--

6. Item (Componente)	7. Description (Descrizione)	8. Part N° (Codice Prodotto)	9 Qty (Quant.)	10. Serial No (Numero di serie)	11. Status/ Work (Status / Lavoro)
60. 1	AW 139 M. R. LAG DAMPER ASSY	M006-01H001-009 PN AW :3G6220V01352	1	MCR7390	REPAIRED

12 Remarks (osservazioni)

The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under FAA certificate no. 6MCS575B
 TOT FH 183:40
 REPAIRED I.A.W. MAG CMM 62-21-06 ISSUE 4, REV. 4 .
 EMBODIED B.T. 139-450 REV. A PART I AND VIII .
 ATTACHED LOG CARD, TEST REPORTS AND WORK REPORT N. B51007700 .

- END -

13a. Certifies that the items identified above were manufactured in conformity to (Certifica che componenti sopra identificati sono fabbricati in conformità a: <input type="checkbox"/> Approved design data and are in condition for safe operation Dati di progettazione approvati ed in condizione idonee a garantire la sicurezza di funzionamento <input type="checkbox"/> Non-approved design data specified in block 12 Dati di progettazione non approvati specificati nel campo 12	14a <input checked="" type="checkbox"/> 145A.50 Release to Service (Riammissione in servizio) <input checked="" type="checkbox"/> Other regulation specified in block 12 (Altro regolamento specificato nel campo 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 Part 145 and in respect to that work the items are considered ready for release to service. (Certifica che, se non diversamente specificato nel campo 12, gli interventi individuati nel campo 11 e descritti nel campo 12 sono stati realizzati in conformità con i requisiti della Parte 145, e che, in riferimento a tali interventi, i componenti sono considerati pronti per la riammissione in servizio)		
13b. Authorised Signature (Firma Autorizzata)	13c. Approval / Authorisation Number (Numero di approvazione / autorizzazione)	14b. Authorised Signature (Firma) CIT 101745-CS <i>Gianluca Berardi</i>	14c. Certificate / Approval Ref. No (Rif. Certificato/ approvazione) ENAC Ref. No. IT.145.0244
13d. Name. (Nome e Cognome)	13e. Date. (dd mmm yyyy) (Data gg/mmm/aaaa)	14d. Name (Nome) Berardi Gianluca	14e. Date. (dd mmm yyyy) (Data gg/mmm/aaaa) 30-Sep-2016

USER / INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s)
 Where the user/installer performs work in accordance with regulations of airworthiness authority different 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
 RESPONSABILITA' DELL'UTENTE INSTALLATORE
 Il presente certificato non costituisce automaticamente un'autorizzazione a installare i componenti.
 Se l'utente/installatore lavora secondo le direttive nazionali di un'autorità aeronautica diversa da quanto specificato nel campo 1, è tenuto obbligatoriamente a verificare che l'autorità aeronautica cui fa capo accetti i componenti dell'autorità specificata nel campo 1
 Le dichiarazioni di cui ai campi 13a e 14a non costituiscono una certificazione dell'installazione. In qualsiasi caso, la documentazione della manutenzione agli aeromobili deve contenere un certificato di installazione rilasciato dall'utente / installatore in conformità alle normative nazionali, prima che l'aeromobile torni a volare.

Mecaer Aviation Group S.p.A.

RAPPORTO DI LAVORO

WORK REPORT

N° B51007700	Del/of 30.09.2016	COMMESSA PURCHASE ORDER	4801346251/LMB B56003029/ 60	/ 80
PROPRIETARIO/ESERCENTE CUSTOMER	CUS000002 LEONARDO S.P.A.			
DENOMINAZIONE PART NAME	AW 139 M. R. LAG DAMPER ASSY			
P/N 3G6220V01352	M006-01H001-009	S/N	MCR7390	
ORE TOTALI TOTAL TIME	183:40	ORE D.U.R. T.S.O.	/	
SEARCATO DA REMOVED FROM	N/A N/A	CAUSA REASON	REPAIR + BT139-450/189-080	
OPERAZIONI DI MANUTENZIONE ESEGUITE MAINTENANCE OPERATION C/O REPAIRED AND ELIMINATED LEAK . APPLICABLE TECH.DOC.: CMM 62-21-06 ISSUE 4 REV 4				
BOLLETTINI TECNICI/PRESCRIZIONI AERONAVIGABILITA' APPLICATI/MODIFICHE/NOTE TECHNICAL BULLETINS AND AIRWORTHINESS DIRECTIVES COMPLIED WITH/MODIFICATIONS/NOTES B.T. 139-450 REV. A PART I AND VIII NO FH SINCE LAST REPAIR				

LUOGO E DATA (PLACE AND DATE)

CERTIFYING STAFF
FIRMA (SIGNATURE)

gomanero li 30.09.2016

G.Berardi C.I.T. N° 101745-CS

CERTIFICATO DI COLLAUDO

DAMPER ROTORE PRINCIPALE AW139

P/N AgustaWestland: 3G6220V01352

P/N M.A.G. : M006-01H001-009

S/N: MCR7390

O.L: B51007700

Paragrafo CMM	Prova	Unità di misura	Requisito	Rilevato	Contr.
1.1 Sez. Testing	Temperatura ambiente	°C	tra 15 e 35	24.0	MAG 324
1 Sez. Testing	Ispezione visiva		Conformità	OK	MAG 324
1.2.1 Sez. Testing	Controllo della corsa: lunghezza tutto retracts L1	mm	342,5 ± 0,5	342.40	MAG 324
	lunghezza tutto esteso L2	mm	411,5 ± 0,5	411.50	MAG 324
1.2.2 Sez. Testing	Verificare scorrimento pistone serbatoio		Conformità	OK	MAG 324
	Carico di attrito del pistone: in compressione	daN	≤ 30	20.40	MAG 324
	in trazione	daN	≤ 30	21.70	MAG 324
1.2.3 Sez. Testing	Prova di pressione del serbatoio: 4,5 bar per 3 minuti	bar	Conformità	OK	MAG 324
1.2.4 Sez. Testing	Prova di pressione delle camere: 60 bar	cc/min	100 ÷ 1000	600	MAG 324
	Riempimento e spurgo		Conformità	OK	MAG 324
1.2.5 Sez. Testing	Caratterizzazione (curva caratteristica)		Figura 101	OK	MAG 324
1.2.6 Sez. Testing	Perdite verso l'esterno		Conformità	OK	MAG 324
1.2.7 Sez. Testing	Verifica del bonding	mΩ	< 10	1,600	MAG 140
	Documentazione: Certificato di collaudo			OK	MAG 140
	Curve caratteristiche			OK	
	Cartellini di controllo			OK	

NOTE: VERIFICARE ATTRITO TORSIONALE E FLESSIONALE SULLE ROTULE:

P/N M006-01H002-041/047 BODY END ASSY:

 ATTRITO TORSIONALE 16,0 Nm

 ATTRITO FLESSIONALE 9,0 Nm

P/N M006-01H004-045/053 EYE END ASSY:

 ATTRITO TORSIONALE 18,0 Nm

 ATTRITO FLESSIONALE 10,0 Nm

DATA:

26/09/2016

TIMBRO:

MAG 324

MAG 140

RILEVATO:

CONTROLLATO:

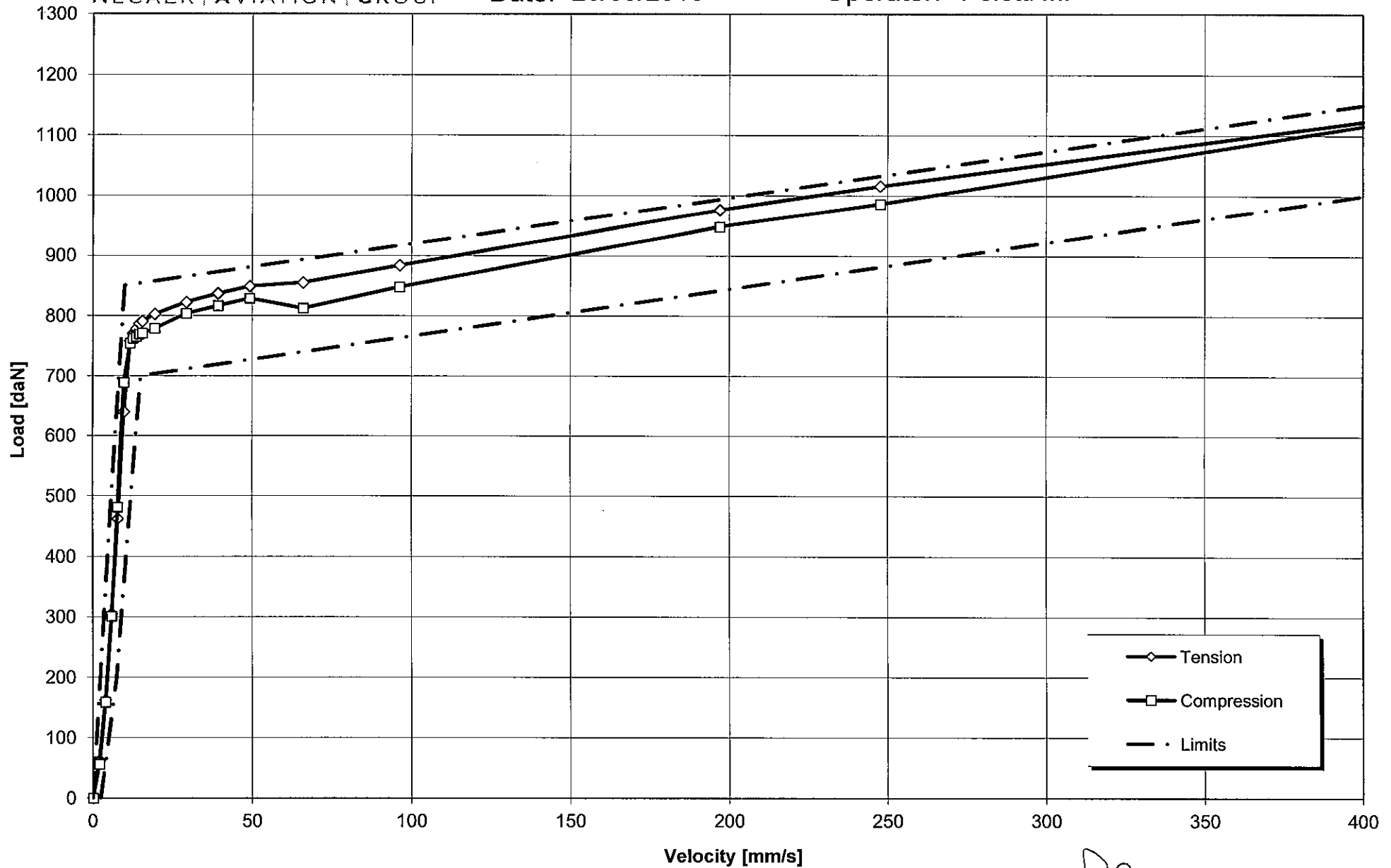
 Polini
 Cerutti Andrea

DAMPER P/N M006-01H001-009 S/N: MCR7390

MECAER | AVIATION | GROUP

Date: 26/09/2016

Operator: Poletti M.



Poletti
MAG
324



Leonardo S.p.a
 Sede legale: Piazza Monte Grappa, 4 - 00195 Roma -
 Capitale Sociale €2.543.861.738,00 I.V.
 Registro Imprese c/o la C.C.I.A.A. di Roma, Codice Fiscale, n. 00401990585
 Partita Iva: P.I.: IT 00881841001

Stabilimento di
 Agusta SPA c/o AgustaWestland Malay
 Old Cargo Complex, SAAS Airport
 47200 Subang, Selangor Darul Ehsan

CLIENTE / CUSTOMER				SPEDITO A / SHIPPED TO				
AIROD SDN. BHD SULTAN ABDUL AZIZ SHAH AIRPORT JALAN LAPANGAN TERBANG 47200 SUBANG MALAYSIA				Jabatan Bomba dan Penyelamat Malaysia C/o Airod Sdn. Bhd Attn: Q.lity Assurance Manager/Chief Eng Locked Bag 4004 Pejabat Pos Kampung Tunku 47309 PETALING JAYA, SELANGOR MALAYSIA				
CAUSALE TRASPORTO / TERMS OF DELIVERY SERVICE BULLETIN		CLIENTE / CUSTOMER 50000732	MEZZO DI SPEDIZIONE / METHOD OF SHIPMENT		INCOTERMS EXW - Ex Works	DATA UM/ DATE GI 19.04.2017	PAG. / PAGE 1/ 1 NT	
COMM. / ORDER	ITEM	PART NUMBER	U.M.	QUANTITY	PARTITA / BATCH	SERIAL	SCAD. / EXP	N.S.N.
0500718553/ 000020	20	REF. KT-S062 DATE 21.09.2016 3G6220V01352 MAIN ROTOR DAMPER (PRODUCTION)	N	1,000	0000841928	MCR7390		
CONFEZIONE / PACKING CASE		PESO LORDO / GROSS WEIGHT 5,120 KG		PESO NETTO / NET WEIGHT 5,120 KG		DIMENSIONI / DIMENSIONS		

PRIORITA'/PRIORITY 03 Routine