

1. Approving competent authority/Country: **2. A.E.S.A./SPAIN**

**AUTHORISED RELEASE CERTIFICATE**  
**EASA FORM 1**

3. Form Tracking Number: **38140**

4. Organization Name and Address:  
**Aerospace Engineering Group S.L.**  
 Domicilio Social / Headquarters  
 Poligono Industrial "El Campillo"  
 Bloque 1D  
 Abanto y Ciervana,  
 Vizcaya, Spain 48500  
 Ph: +34 946 36 37 11, Fax: +34 946 36 38 70

Centro Reparador / Repair Station  
 Parque Tecnológico Aeropolis  
 c/Vilbur y Orville Wright 33  
 La Rinconada  
 Sevilla, Spain 41300  
 Ph: +34 95 411 50 62 - Fax: +34 95 411 50 61

5. Work Order, Contract or Invoice  
**WO 150266347**  
**RO R20076**

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work:
1	PUMP - ELECTRIC	693335	1	MX525481	REPAIRED


12. REMARKS  
 WORK DONE: TESTING AND FAULT ISOLATION, DISASSEMBLY, CLEANING, CHECK, REPAIR, ASSEMBLY, FITS AND CLEARANCES IN ACCORDANCE WITH CMM IPL NUM REFERENCED BELOW. TSN=UNK; CSN=UNK.  
 PARTS REPLACED IN ACCORDANCE PART LIST.  
 STORAGE LIFE: INSPECT THE STORED PUMP EVERY 18 MONTHS FOR LEAKS AND MOISTURE CONTAMINATION, FOR PUMPS RESIDING IN EXTENDED LONG-TERM STORAGE, SUBJECT THE PUMP TO A FULL PRODUCTION ACCEPTANCE TEST AFTER 5 YEARS, AND HAVE THE SEALS REPLACED AFTER 10 YEARS.  
 CMM IPL Num.: 29-21-20, Revision #: 5, Revision Date: 01/08/2011; CMM IPL Num.: 29-21-22, Revision #: 5, Revision Date: 01/08/2011;  
 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 certificate no E4UY980J

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:	14b. Authorised Signature:	14c. Certificate/Approval Ref. No.
			ES.145.046
13d. Name	13e. Date (dd mmm yyyy):	14d. Name:	14e. Date (dd mmm yyyy):
		PEDRO MONTABES MARTINEZ	18 MAR 2020

**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.



# Aerospace Engineering Group S.L

Polígono "El Campillo" Bloque 1D  
48500 Abanto Spain

FAA CRS #E4UY980J  
EASA ES.145.046  
TCCA 816-04

Parque Tecnológico Aerópolis  
C/Wilbur y Orville Wright, nº33  
41300 La Rinconada. Sevilla Spain

PECAL/AQAP 2120  
EASA 21J.346

Centro de Negocios Eisenhower  
Avenida Sur del Aeropuerto de Barajas 34  
28042 Madrid - Spain

## Work Order Traveller

<b>Work Order</b> : 150266347	<b>Cust. RO</b> : R20076	<b>WORK PERFORMED:</b>  REPAIRED
<b>Customer</b> : AIRCRAFT END OF LIFE SOLUTIONS		
<b>P/N In</b> : 693335	<b>P/N Out</b> : 693335	
<b>Description</b> : PUMP - ELECTRIC		
<b>S/N In</b> : MX525481	<b>S/N Out</b> : MX525481	
<b>MOD</b> : UNK	<b>NSN</b> : N/A	
<b>TSN</b> : UNK <b>TSO</b> : UNK <b>TSR</b> : UNK		
<b>CSN</b> : UNK <b>CSO</b> : UNK <b>CSR</b> : UNK		
<b>Required Certification(s)</b> : [ X ] EASA [ X ] FAA [ ] TCCA [ ] C of C [ ] PERAM		<b>Warranty Claim</b> : No
<b>Date Received</b> : 07/02/2020 <b>Date Required</b> : 22/02/2020		<b>Warranty No.:</b>
<b>Repair Manual(s) &amp; Instruction(s):</b> 29-21-22 Rev.: 5, 01/AUG/2011 29-21-20 Rev.: 5, 01/AUG/2011 29-21-21 Rev.: 5, 01/AUG/2011		

### REASON FOR REMOVAL

Test/inspect & advise



Start



Complete

Filled By	Stamp
ASM	AEG 83

### INCOMING INSPECTION

- P/N and S/N verified.
- Mod's and SB verified.
- Requires certificates and documentation EASA FORM 1 and FAA form 8130-3
- DUAL RELEASE (EASA/FAA) IS REQUIRED, PLEASE ADVISE IF THIS IS NOT POSSIBLE BEFORE ANY INSPECTION OR TEST
- NO PMA/DER ACCEPTED UNLESS STATED OTHERWISE



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ASM	AEG 83

### PRE-TEST FINDINGS

PRE-TEST NO PASS IAW CMM 29-21-20  
Cause: EXCESSIVE CURRENT (46,7 A PER PHASE)



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ASM	AEG 83



# Work Order Traveller

Work Order : 150266347

P/N : 693335

Serial No. MX525481

Customer : AIRCRAFT END OF LIFE SOLUTIONS

Cust. RO : R20076

## TEARDOWN FINDINGS

PRE TEST, DISASSEMBLY, CLEANING AND CHECK. IAW CMM 29-21-20

UNIT REQUIRES REPLACEMENT OF FOLLOWS PARTS FOR DAMAGE:

-IAW CMM 29-21-20 / 29-21-22

The rivet identification plates on the motor missing.

The identification plates on the motor shroud were attached with rivets. These rivets can interfere with the rotation of the motor shroud and must be removed to rotate the shroud, due this, it requires replacement plate ident and plate mod. IAW application service letter SL-29-693335-1

FIG 1 ITEM 85A P/N 886964 PLATE MOD. QTY 1

-IAW CMM 29-21-22

FIG 1 ITEM 5B P/N 974790 PLATE IDENT. QTY 1

-IAW CMM 29-21-21

FIG 1 ITEM 265 SHIM KIT P/N 396364 QTY 1

ALL PACKING DISASSEMBLED REQUIRES REPLACEMENT.



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## CORRECTIVE ACTION

- REPAIR 29-21-20 / 29-21-21 / 29-21-22

4. Installation of Identification Plate and Modification Plate.

7. Lap Steel Parts

8. Lap Non-Steel Parts

- The unit require testing and fault insolation, disassembly, cleaning, inspection, repair, assembly and final test.

- The parts are changed according Parts List. PMA parts no used.



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## CORRECTIVE ACTION PERFORMED

REPAIR IAW CORRECTIVE ACTION



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18/03/2020	JMD	AEG 112

# Work Order Traveller

Work Order : 150266347

P/N : 693335

Serial No. MX525481

Customer : AIRCRAFT END OF LIFE SOLUTIONS

Cust. RO : R20076

## MODIFICATIONS/SERVICE BULLETINS/AD NOTES

N/A



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18/03/2020	JMD	AEG 112

## FINAL TEST

FINAL TEST OK IAW CMM 29-21-20 R.5



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18/03/2020	JMD	AEG 112

## ADDITIONAL COMMENTS

The identification plates on the motor shroud were attached with rivets. These rivets can interfere with the rotation of the motor shroud and must be removed to rotate the shroud, due this, it requires replacement plate ident and plate mod. IAW application service letter SL-29-693335-1



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18/03/2020	JMD	AEG 112

## CERTIFICATION

Certificate Form Tracking Number 38140.



Start



Complete

Date	Filled By	Stamp
18/03/2020	PM	AEG CERT 45

<b>MARK AS APPROPRIATE</b>	<input checked="" type="checkbox"/>	THE TASKS DESCRIBED ABOVE HAVE BEEN PERFORMED IN ACCORDANCE WITH APPLICABLE REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. OTHER PERTINENT DETAILS OF THIS REPAIR ARE ON FILE AT THIS FACILITY
	<input type="checkbox"/>	RETURN AS IS. NOT APPROVED FOR RETURN TO SERVICE