

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: W511665-4853697-1	
4. Organization Name and Address: Pacific Scientific Company DBA Meggitt Customer Services and Support E0TR292I 11700 NorthWest 102nd Road. Suite 6 Miami, FL 33178 USA			5. Work Order/Contract/Invoice Number: R367055		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MAIN FUEL OIL HEAT	45731-1423	1	DK308288-Y	OVERHAULED
12. REMARKS: <div style="border: 1px solid black; padding: 10px; margin-top: 5px;"> Unit was overhauled IAW manufacturers approved data. <div style="display: flex; justify-content: space-between;"> CMM 79-21-25 Rev: 0 Date: 3/25/2016 MFG: MEGGITT BIRMINGHAM </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> CFM 362-072-902-0 DOM: 042015 CSO/TSO: 0 </div> </div> <p style="margin-top: 40px; text-align: center;">Pacific Scientific certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and with respect to that work the aircraft component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.5199</p>					
13a. Certifies the items identified above were manufactured in conformity to: 14a <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 <div style="display: flex;"> <div style="width: 45%; border: 1px solid black; padding: 5px;"> <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12 </div> <div style="width: 55%; padding-left: 10px;"> Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. </div> </div>					
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:	
				 E0TR292I	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed):	
				Marcos A. Cerna 06/Apr/2020	

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propellers(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statement 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.

Tear down, inspection report, certificate of conformance

Work order W511665
Date printed 4/6/2020
Time 5:47:17 AM
Page 1

To
AJ WALTER AVIATION LTD.
The Headquarters
Maydwell Avenue
Slinfold, W. Sussex, UK RH13 0AS
UNITED KINGDOM

Ship to
AJ WALTER AVIATION LTD.
The Headquarters
Maydwell Avenue, Slinfold
West Sussex, RH13 0AS U.K.

PO Ref	R367055	E-mail	
Code	EAJ0800	Tel	011441403711777
Qty	1	Fax	011441403710936
Station	ELITE	Part	45731-1423
		Mfg	MCSB
		Descr	MAIN FUEL OIL HEAT EXCHANGER
		Model	

VLV S/N	Engine number
EXH VLV	Tail number
RO #	

Serial numbers DK308288-Y

Notes CFM 362-072-902-0 CSO/TSO: 0
DOM: 042015

Symptoms

CUSTOMER REQUESTS OVERHAUL

Faults

UNIT PASSED PRELIMINARY TESTING

Unit received with broken bolt on fuel inlet. The broken bolt is not normal wear and tear and considered to be CID. Also insert hole damage on end cap assy. Upon Disassembly and inspection found worn cap, OPV.

Corrective actions

UNIT WILL BE OVERHAULED

unit requires cleaning, flushing, seals, end cap assy. and opv CAP, Overhaul and test I/A/W CMM 79-21-25 Rev. 0 Date: 3/25/2016

Part number	Description	Qty needed	CD	Disposition
37536-1410	END COVER	1	NE	Consumable
37714-6062	CAP	1	NE	Consumable
26121-8826	O-RING	1	NE	Consumable
26133-6106	BACKUP RING	2	NE	Consumable
26121-8828	O-RING	1	NE	Consumable
26121-8831	O-RING	1	NE	Consumable
33322-1004	GASKET - OPV COVER	1	NE	Consumable

Certificate of Conformance

This certifies that the unit(s) shipped herewith have been subjected to all necessary tests, and test data showing conformance with the applicable specification, as well as test reports covering the material of these parts showing conformance with the applicable requirements, are enclosed or, are on file at this facility or at the manufacturer's plant.

Tear down, inspection report, certificate of conformance

Work order W511665
Date printed 4/6/2020
Time 5:47:22 AM
Page 2

26121-8830	O RING	1 NE	Consumable
33322-1003	GASKET	1 NE	Consumable
26121-8829	O-RING	1 NE	Consumable
26121-8800	O-RING	1 NE	Consumable
33322-1005	GASKET	1 NE	Consumable
26121-8828	O-RING	1 NE	Consumable
26121-8802	O-RING	1 NE	Consumable
33322-1002	GASKET	1 NE	Consumable
26121-8827	O-RING	1 NE	Consumable
26121-8825	O-RING	1 NE	Consumable

Certificate of Conformance

This certifies that the unit(s) shipped herewith have been subjected to all necessary tests, and test data showing conformance with the applicable specification, as well as test reports covering the material of these parts showing conformance with the applicable requirements, are enclosed or, are on file at this facility or at the manufacturer's plant.



Work order W511665
FAA repair station E0TR292I

Form 9

Page 1

Part number	45731-1423	Qty	1	Description	MAIN FUEL OIL HEAT EXCHANGER
Serial	DK308288-Y	Customer	AJ WALTER AVIATION LTD.		
Technical data	Data type/Number/Revision/Revision date CMM 79-21-25 Rev: 0 Date: 3/25/2016				
		Customer PO	R367055		

Evaluation

Customers remark

CUSTOMER REQUESTS OVERHAUL

Results from evaluation

UNIT PASSED PRELIMINARY TESTING

Unit received with broken bolt on fuel inlet. Also insert hole damage on end cap assy. Upon Disassembly and inspection found worn cap, OPV.

Work to be performed

UNIT WILL BE OVERHAULED

unit requires cleaning, flushing, seals, end cap assy. and opv CAP, Overhaul and test I/AW CMM 79-21-25 Rev. 0 Date: 3/25/2016



2472466S



2472466C

1.0 Incoming Preliminary Insp

Work instructions

1.1 Verify technical data revision level

Verify the revision level and date of Reference Data from above in tech data.

All work will be performed in accordance with current CMM/ATA, DRAWING, DER REPAIR, OE and/or customer requirements associated with this unit.

SB: N/A REV. DATE N/A AD: N/A REV. DATE N/A
EO: N/A REV. DATE N/A SIL: N/A REV. DATE N/A

Verified by:  11 / 08 / 19
mo da yr

1.2 Initial Inspection



Work order W511665

FAA repair station E0TR292I

Form 9

Page 2

1.2 Initial Inspection

UNIT RECEIVED WITH BROKENT BOLT ON FUEL INLET

Initial Inspection Completed by: 4



11/08/19
mo da yr



2472460S



2472460C

2.0 Preliminary Inspection

Work instructions

2.0 Preliminary Inspection

Inspect the unit IAW reference data for any non-conforming conditions. Record the findings in remarks if any:

2.1 Performed Pre-test IAW approved NAA data by the customer and MFG.

Remarks: UNIT PASSED PRE-TEST.

Pre-Test Completed by: 4



11/08/19
mo da yr



2472464S



2472464C

3.0 Disassembly & Cleaning

Work instructions

3.0 Disassembly & Cleaning

3.1 Disassemble Article, inspect each component IAW approved data for any hidden damage or unapproved parts.

Remarks: NO HIDDEN DAMAGE FOUND.



Work order W511665
FAA repair station E0TR292I

Form 9

Page 3

3.0 Disassembly & Cleaning

Performed by:  11/08/19
Stamp mo da yr

3.2 Clean disassembled components in accordance with approved data and/or any equivalent authorized procedures.

Performed by:  11/08/19
Stamp mo da yr

3.3 In progress Inspection of assembly. Inspect IAW approved data and tagged them as necessary for traceability.

Remarks: DAMAGE END COVER ASSY. AND WORN OPV CAP

Performed by:  11/08/19
Stamp mo da yr

3.4 Clean assembly in accordance with reference data and/or any equivalent authorized procedures. Transfer to paint shop if required. Paint assembly in accordance with approved data as required.

Remarks: N/A

Performed By:  N/A
stamp mo da yr

3.5 Perform NDT { if required } after cleaning each part received IAW reference data and inspect for damaged. All parts are to be in serviceable condition.

Remarks: N/A

Performed By:  N/A
stamp mo da yr



Work order W511665
FAA repair station E0TR292I

Form 9

Page 4



2472468S



2472468C

3.4 Cleaning and Painting task

Work instructions

cleaning as required

3.4 Clean assembly in accordance with reference data and/or any equivalent authorized procedures. Transfer to paint shop if required. Paint assembly in accordance with approved data as required.

Remarks: _____

N/A

Performed By: I _____
stamp mo da yr

N/A



2472467S



2472467C

3.5 Perform NDT task

Work instructions

perform NDT

3.5 Perform NDT { if required } after cleaning each part received IAW reference data and inspect for damaged. All parts are to be in serviceable condition.

Remarks: _____

N/A

Performed By: I _____
stamp mo da yr

N/A



Work order W511665
FAA repair station E0TR292I

Form 9

Page 5



2472462S



2472462C

4.0 Overhaul and Reassembly

Work instructions

4.1 Assembly / Overhaul of assembly

Inspect each part before assembly. All parts are to be in serviceable condition and free of damaged. Check for non approved parts.

Remarks: ALL PARTS FREE OF DAMAGE.

Work Performed by:  04/03/20
Stamp mo da yr

4.2 Welding of unit

4.2 Weld unit IAW FAA/Customer's approved data

Welded By _____ NA ☒

4.3 Machining Process


4.3 Machining Performed By _____ NA ☒

4.4 NDT

NDT all units per NAA approved Tech Data and load NDT routing sheet to Quantum performed by _____ NA ☒

4.5 Painting

Performing Painting if Required per NAA approved Data Performed by _____ NA ☒

Shop Lead Verification by: 04/03/20 
mo da yr Stamp



2472461S



2472461C

5.0 Assembly / Overhaul of as:

Work instructions



Work order W511665
FAA repair station E0TR292I

Form 9

Page 6

5.2 Final Inspection

Inspect all by shop article all components are in good shape and unit was assembled according to manufacturer configuration. Verify that all tasks have been performed and passed.

Verify the PN and SN number of the article match this work order.

Performed by:  04/03/20
mo da yr

5.3 Cell Leader Acceptance

All work was performed in accordance with Reference Data and/or Customer requirements.

This will only be performed by a Repairman or A&P authorized to do so on the current roster.

Verified by:  04/03/20
mo da yr

5.1 Testing Of Assembly

Test article in accordance with manufacture specifications including drawing and ATP / CMM ATA and NAA approved data.

100% Visual Inspection ☒ Pass

Remarks: UNIT PASSED ALL FUNCTIONAL TESTING.

Tested by:  04/03/20
mo da yr



2472463S



2472463C

6.0 Return To Service task

Work instructions

6.1 Final inspection

Inspect the unit IAW Manufacturer's Specifications, Current tech data and/or Customer requirements.

This certifies that the work specified in this work order was carried out in accordance with NAA airworthiness regulations and in respect to the work performed the part is approved for return to service.

Return to service by:  04/06/2020 
Signature mo da yr Stamp

Inspection Checklist CFR 145.213

WORK ORDER: W511665

PART # 45731-1423

SERIAL # DK308288-Y

Check the box to indicate that all activities related to final inspection are performed, if not applicable, note N/A.

<input checked="" type="checkbox"/>	Inspect for compliance with the customer work scope and other instructions stated on the customer <u>R.O.</u>
<input checked="" type="checkbox"/>	Inspect for current status of EASA/FAA <u>AD's</u> on their applicable websites. <u>NONE AT THIS TIME</u>
<input checked="" type="checkbox"/>	If applicable, inspect for compliance and documentation of <u>AD's</u> and <u>S/B's</u> . <u>SEE ABOVE</u>
<input checked="" type="checkbox"/>	Inspect all maintenance record entries for completeness, including the technician's signature and inspector's signature/stamp indicating a task has been accomplished.
<input checked="" type="checkbox"/>	Verify that the inspection of acceptance test parameters was accomplished, documented and signed off by the final inspector who witnessed the operation of those parameters.
<input checked="" type="checkbox"/>	If an acceptance test failed, verify that rework was accomplished, documented and a new test performed, documented, and cleared by the final inspector who witnessed the operation of those parameters. <u>PASSED</u>
<input checked="" type="checkbox"/>	Verify article time, cycles and other information is documented and accurate. <u>CSO/TSO ADDED</u>
<input checked="" type="checkbox"/>	Verify contracted maintenance repair records; if a DER repair is applied, reference DER on Form 9 Work Order Report and FAA Form 8130-3 Block 12. <u>NO CONTRACT WORK ORDER NOTED</u>
<input checked="" type="checkbox"/>	Verify that the P/N and S/N match paperwork and that the configuration level matches the customer repair order/workscope.
<input checked="" type="checkbox"/>	FOD Check: inspect for any debris such as loose rivets, loose hardware, metal shavings, dirt, grime and any other items that may cause future damage and/or give the appearance of poor workmanship.
<input checked="" type="checkbox"/>	Inspect application of placards, protection devices/covers and warning stickers/labels/tags and that all hardware has been secured/safety wired (if required), all tubes, fittings, electrical plugs, etc. have been capped and secured. Document final inspection on <u>Form 9</u> Final Inspection block.
<input checked="" type="checkbox"/>	If inspection is rejected, document rework on Work Order Router. <u>NO REJECTION</u>
<input checked="" type="checkbox"/>	Log inspection rejections on for corrective action analysis. <u>SEE ABOVE</u>

Discrepancies: NONE AT THIS TIME

Inspected by: Marcos Antonio Arna

Stamp:



Date: 04/06/2020

Certification basis:

☐ Form 8130-3 Domestic/Single Release

☒ Form 8130-3 EASA Dual Release

☐ Form AAC-038 (China)

Verified by:

Stamp:

Date:

Note: The individual performing this inspection must meet the requirements of section 145.155, which requires the person to be thoroughly familiar with the applicable regulations and the inspection methods, techniques, practices, aids, equipment, and tools used to determine airworthiness of the article. Individuals authorized to perform final inspections are listed on the Repair Station Roster.