

1. Approving competent Authority/Country Civil Aviation Authority/POLAND		2.			3. Form Tracking Number 00000000000009013029 Page 1 of 1		
4. Organisation Name and Address: UTC Aerospace Systems Wrocław Sp. z o.o. ul. Bierutowska 65-67 51-317 Wrocław		5. Work Order/Contract/Invoice 44624357 / R388969					
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work		
01	ENDURA WATER BOILER	4521-2221-00	1	T665596301	REPAIRED		
12. Remarks Work performed in accordance with CMM: 25-34-80 Revision: 04 Date: Jul 26/2021 See attached Teardown Report for more detailed information							
The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and CAR 573 and in respect to that work, the items are approved for release or return to service under FAA certificate No. 2HWY796C and TCCA Approval No. 815-21.							
13a. Certifies 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. ☒ 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 to release for service.							
13b. Authorised Signature		13c. Approval / Authorisation Number		14b. Authorised Signature <i>Lewandowski</i> 20/IV		14c. Certificate / Approval Ref No. PL.145.010	
13d. Name		13e. Date (dd mmm yyyy)		14d. Name DAWID LEWANDOWSKI		14e. Date (dd mmm yyyy): 31 DEC 2021	
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 block 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.							

TEARDOWN REPORT

UTC Aerospace System Sp. z o.o. – MRO
Customer Service Plant
ul. Kielczowska 74
PL-51-315 WROCLAW



UTC Aerospace Systems

Customer A J WALTER AVIATION		Cust PO	R388969	Operator PO	
Input Part	4521-2221-00	Input Serial	T665596301	Qty	1.000
Output Part	4521-2221-00	Output Serial	T665596301	Workscope	REPAIR
Cust Part		Cust Serial	T665596301	Status/Work	REPAIRED
Description	ENDURA WATER BOILER	Removal Code	IRAN REPAIR	Failure Date	
Aircraft		Engine Type			
Incoming NSN	N/A	Outgoing NSN	N/A	Tail No	
Date Rec'd	30.11.2021	Quote Date	06.12.2021	Accept Date	23.12.2021
Ship Date		DOM	01.02.2015	Last Order Date	
Sales Order	8883919	Work Order	44624357	Notification	304484160

Test Results TEST RESULT: Initial Test ☒ Pass ☐ Fail ☐ Not applicable

Evaluation Inspection REMOVAL REASON: UPPOWER BUTTON BLINKS CONTUNOUSLY REPAIR FAILURE VERIFIED: Yes FAILURE REASON: Blown Heater Assy, Blown RTD Assy REPAIRED AND TESTED IN ACCORDANCE WITH CMM: 25-34-80 REVISION: 05 SOFTWARE SETTINGS: N/A DATE: 4-DECEMBER-2021 WATER BOILER P/N 4521-2221-00 S/N T665596301 Due to rusty spots Inspector had to descale unit before Investigation to avoid possible leakages after repair. As a result Tank is leaking and requiers replacement. New Tank will be assembled with new Heater o-rings, RTD and Heater that were blown. Necessary parts will be replaced to improve product reliability.

Primary Findings TANK HEATER ASSEMBLY -- LOW CURRENT DRAW WORN/DEGRADED

Other/Secondary Findings ASSEMBLY, VENT VALVE -- PREVENTIVE MAINTENANCE DUE/RECOMMENDED

Resultant Findings

TEARDOWN REPORT



UTC Aerospace Systems

Work Order	44624357	Description	ENDURA WATER BOILER	Date Rec'd	30.11.2021
Input Part	4521-2221-00	Input Serial	T665596301		
Cust Part		Cust Serial	T665596301		

RTD ASSEMBLY -- TEMPERATURE UNSTABLE EXTRUDED

Resultant Findings

TANK ASSEMBLY -- MATERIAL DEGRADATION CORRODED

Components :

Order	Material	Description	Req Qty	Issued	Reason Code	Stor Loc
44624357	632006-39	O-RING	3	3	Replacement with Tank	OVBE
44624357	MS21209C0615	INSERT, HELICAL COIL, .138-32	2	2	Replacement with Tank	OVBE
44624357	3520-1290-01	RTD ASSEMBLY	1	1	Blown	OVBE
44624357	OR-0941	O-RING, SILICONE	1	1	Vent Valve Maintenance	OVBE
44624357	MISC-50278	BALL, POLYPROPYLENE 5/8	1	1	Vent Valve Maintenance	OVBE
44624357	OR-0571	O-RING - PACKAGED .239 .070THK	1	1	Vent Valve Maintenance	OVBE
44624357	CS-340-205	CUP, SEAT HORIZONTAL FAUCET EP	1	1	Recommended	OVBE
44624357	SW-50291	MAGNET, SWITCH	1	1	Missing	OVBE
44624357	3530-0355-01	GROMMET, FAUCET	1	1	Replacement with Tank	OVBE
44624357	3520-0618-01	TANK WELDMENT	1	1	Leaking	OVBE
44624357	GR-098	GROMMET .25ID	2	2	Required	OVBE
44624357	3520-0627-01	HEATER ASSEMBLY	1	1	Blown	OVBE