

1. Approving Civil Aviation Authority/Country:
FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
601910

4. Organization Name and Address:
Liebherr Aerospace Saline, Inc.
1465 Woodland Drive - Saline, MI 48176
U.S.A.

L3RR193H

5. Work Order/Correction/Revision Number:
601910

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Issue Date:
1	HEAT EXCHANGER - CONDENSER	756B0000-01	1	8/210-650	UNRELEASED

12. Remarks:
Approved Date: 10/31/2017 Rev 2 According to
CMM 21-54-18 Investigation Report No: 601910
Modification: from to
Ampl Ampl
Modification Status: Amend -
Dual Release Certificate that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the aircraft component concerned is hereby approved for release to service under EASA Part-145 Approval Number EASA-145-01513

Comments: Return to service. Work specified accomplished (AWI/CFR Part 43.14) and/or (WAC 43.18 if local fabricated parts were used) RECORRE

Unlisted life parts must be accompanied by maintenance history including total time / total cycle / time since last overhaul / time since last inspection / time since last repair / time since last overhaul / time since last inspection / time since last repair

13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and/or in a condition for safe operation.
 Non-approved design data specified in Block 12.
 Other regulation specified in Block 12

13b. Authorized Signature: [Signature] 13c. Approval/Revision No.: [Blank]
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.

13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14b. Authorized Signature:	14c. Approval/Certificate No.:	14e. Date (dd/mm/yyyy):
[Signature]	[Signature]	[Signature]	L3RR193H	16 JUL 2018

14. 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)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an itemisation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. 国家 Country: REPUBLIC OF CHINA

2. 中国民用航空总局 CAAC 符合性 Conformity 适航性 Airworthiness

批准放行证书/适航批准标签
AUTHORIZED RELEASE CERTIFICATE / AIRWORTHINESS APPROVAL TAG

3. 证书编号 Certificate Ref. No.: 2018-1040

4. 单位 Organization: Liebherr Aerospace Saline, Inc.
1465 Woodland Drive - Saline, MI 48176
U.S.A.

5. 工作单/合同单/报告
Work Order / Contract / Invoice No.: 20180015

6. 序号 Item	7. 内容 Description	8. 件号 Part No.	9. 适用性 Eligibility*	10. 数量 Qty	11. 系列号/批号 Serial / Batch No.	12. 产品状态 Status / Work
1	HEAT EXCHANGER - CONDENSER	756B0000-01	NOT KNOWN	1	841210-65004	OVERHAULED

13. 备注 Remarks: RECORE

Approved Data: 10/31/2017 Rev 1

CMM: 21-54-18

Investigation Report: 601910

Remarks: RECORE

Destination: Avia-Technique Ltd
Unit 1 Fishponds Estate
Fishponds Road
Wokingham, Berkshire RG41 2QJ
Tel Ex: 199051300
FOREIGN
United Kingdom

4. 新产品 New Parts

兹声明上述产品除第 13 项的其它规定以外,已按照上述国家适航条例和进口国适航的特殊要求进行工作,该产品处于安全可用状态可以批准放行使用。

Certifies that the part(s) identified above except as otherwise specified in block 13 was(were) manufactured / inspected in accordance with the airworthiness regulations of the stated country and / or in the case of parts to be exported to the approved design data and with the notified special requirements of the importing country.

16. 批准人签名
Signature: [Signature]

17. 批准人姓名(打印)
Name (printed): THOMAS WEBER

18. 批准日期
Date: 16 JUL 2018

19. 中国民航总局授权
Issued by or on behalf of the CAAC: F00100650

15. 使用过的产品 Used Parts

兹声明上述产品除第 13 项的其它规定外,已按照上述国家适航条例和进口国适航的特殊要求进行工作,该产品处于安全可用状态可以批准放行使用。

Certifies that the work specified above except as otherwise specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is(are) in condition for safe operation and considered ready for release to service. (over)

Liebherr Aerospace Saline, Inc.
1465 Woodland Drive
Saline, MI 48176
U.S.A.

Avia Technique Ltd
Unit 1 Fishponds Estate
Fishponds Road
Wokingham, Berkshire RG41 2QJ
United Kingdom
FOREIGN
United Kingdom

Your Contact : Name : Sam Thomas
Tel : (734) 944-6376
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E-mail : sam.thomas@liebherr.com

Attn :
Tel :
Fax :
E-mail :

**STOP FINDING REPORT
INVESTIGATION REPORT**

Repair Order : 601910
Sales Order :
Sheet : 1 of 3 Issue : 2
Date : 7/16/2018

CUSTOMER DATA

Operator : avia technique ltd
Customer Order : R201800150
Defect Report :
Customer Doc. :
Aircraft : 220
Aircraft Reg N° :
Date of Removal :
Date of Receipt : 6/18/2018
Work Requested : repair
Warranty Requested : No
Airworthiness Dir. :
Approved Data : CMM 21-5-10 10/31/2017 Rev 2

Modification Doc :

Rev

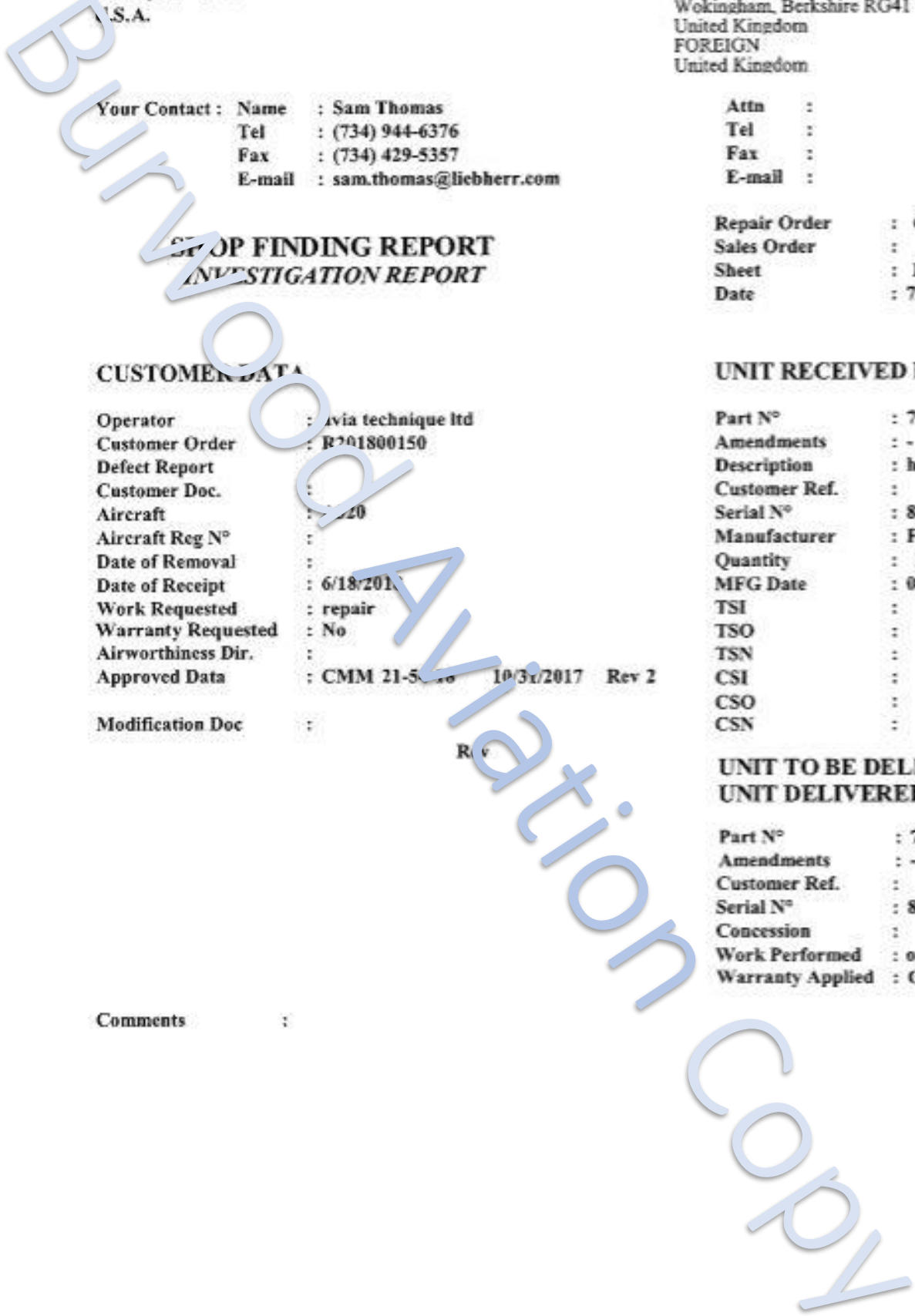
UNIT RECEIVED DATA

Part N° : 756B0000-01
Amendments : -
Description : heat exchanger - condenser
Customer Ref. :
Serial N° : 841210-65004
Manufacturer : F1958
Quantity : 1
MFG Date : 01/2014
TSI :
TSO :
TSN :
CSI :
CSO :
CSN :

**UNIT TO BE DELIVERED /
UNIT DELIVERED**

Part N° : 756B0000-01
Amendments : -
Customer Ref. :
Serial N° : 841210-65004
Concession :
Work Performed : overhaul - recore
Warranty Applied : Out of Warranty

Comments :



**SHOP FINDING REPORT
INVESTIGATION REPORT**

Repair Order : 601910
Sales Order :
Sheet : 2 of 3 Issue : 2
Date : 7/16/2018

REASON FOR RETURN :

No reason for removal given, inspect / repair as required.

VISUAL CHECK :**FINDINGS AND ANALYSIS :**

1. Unit requires cleaning.
2. Unit requires leakage testing.
3. Unit requires pressure drop test.
4. Unit fails internal leakage of the hot air circuit. Requires tube repair, possible recore.
5. Unit requires leakage testing.
6. Unit fails internal leakage test. Maximum allowable tube repairs reached. Unit requires disassembly for recore.
7. Unit requires recore/assembly.
7. Unit requires recore/assembly.
8. Unit requires dimensional verification.
9. Unit requires proof pressure.
10. Unit requires leakage test.
11. Unit requires NDT/FPI.
12. Unit requires surface protection.
13. Unit requires varnish application.
14. Upon varnish application, found threaded boss to be damaged, requires replacement.
15. Unit requires proof pressure test.
16. Unit requires leakage test.
17. Unit requires local NDT/FPI.
18. Unit requires surfaces protection.
19. Unit requires varnish application.
20. Unit requires final assembly.

ORIGIN OF DEFECT :

**SHOP FINDING REPORT
INVESTIGATION REPORT**

Repair Order : 601910
Sales Order :
Sheet : 3 of 3 Issue : 2
Date : 7/16/2018

WORK PERFORMED :

1. Unit cleaned per CMM.
2. Unit leakage tested IAW CMM.
3. Performed pressure drop test per CMM.
4. Performed hose repair IAW CRM.
5. Performed leakage test IAW CMM.
6. Unit disassembled per CRM.
7. Recored/Assembled unit IAW CRM.
8. Unit dimensionally verified IAW CRM.
9. Performed proof pressure test IAW CRM.
10. Performed leakage test IAW CMM 21-54-18.
11. Performed FPI on welds as per requirements of MFT0253 and MFT0398, no cracks noted.
12. Applied alochrome treatment per CMM 21-54-18.
13. Applied varnish coating per CMM 21-54-18.
14. Replaced pressure boss IAW CRM 21-54-18-R.
15. Performed proof pressure test IAW CRM 21-54-18-R.
16. Performed leakage test IAW CMM 21-54-18.
17. Performed local FPI on weld repaired areas as per requirements of MFT0253 and MFT0398, no cracks noted.
18. Applied alochrome treatment IAW CMM.
19. Applied varnish coating per CMM 21-54-18.
20. Final assemble complete IAW CMM.

CORRECTIVE ACTIONS :

Overhauled, recored and tested IAW CMM 21-54-18 revision 2 dated 10/31/2017.

MISCELLANEOUS :

Return Justified ? : Yes
Reason for Return Confirmed ? : Yes