

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|
| 1. Approving Civil Aviation Authority / Country:<br><br><b>FAA/United States</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     | 2. AUTHORIZED RELEASE CERTIFICATE<br><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3. Form Tracking Number:<br><br>RD 7010285 |                  |
| 4. Organization Name and Address:<br><br>LIEBHERR-AEROSPACE SALINE, INC<br>1465 Woodland Drive<br>Saline MI 48176<br>USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                                                                                      | 5. Work Order/Contract/Invoice Number:<br><br>L3RR193H<br><br>RD 7010285                                                                                                                                                                                                                                                                                                                                                            |                                            |                  |
| 6. Item:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7. Description:     | 8. Part Number:                                                                      | 9. Quantity:                                                                                                                                                                                                                                                                                                                                                                                                                        | 10. Serial Number:                         | 11. Status/Work: |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Main Heat Exchanger | 754D0000-01                                                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                   | 81212-71197                                | OVERHAULED       |
| 12. Remarks<br>TSN: TSO: 0 CSN: CSO: 0<br>Dual Release: Certifies 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 is considered ready for release to service under EASA Part-145 Approval Number EASA.145.5439.<br>Amendment:<br>Refer to: Shop Finding Report RD 7010285<br>Approved data: CMM 21-54-14 Rev 3 dated 13 NOV 2019<br>Comments: Return to service: Work specified accomplished IAW 14CFR Part 43.13(a)(b) and/or (c)/AC 43.18 if local fabricated parts were used.<br>Remark: RECORDED. AJ Walter Aviation LTD. W49076<br>Modification: N/A<br>Limited life parts must be accompanied by maintenance history including total time / total cycle / time since new.                                                                                                                             |                     |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                  |
| 13a. Certifies that the items identified above were manufactured in conformity to:<br><input type="checkbox"/> Approved design data and <del>are in</del> condition for safe operation<br><input type="checkbox"/> Non-approved design data specified in Block 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                                                                                      | 14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12<br>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. |                                            |                  |
| 13b. Authorized Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | 13c. Approval/Authorization No.:                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     | 14c. Approval/Certificate No.:             |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     | L3RR193H                                   |                  |
| 13d. Name (Typed or Printed):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     | 13e. Date (dd/mm/yyyy):                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                     | 14d. Name (Typed or Printed):              |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     | 11<br>MARK T. CHYLLA                       |                  |
| 14e. Date (dd/mm/yyyy):<br>17 JUN 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                  |
| User/Installer Responsibilities<br>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 installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. |                     |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                  |

|                                                                                                                                                                                   |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------|
| 1 国家 Country<br>中国/REPUBLIC OF CHINA                                                                                                                                              | 2 中国民用航空总局 CAAC<br><input type="checkbox"/> 符合性 Conformity <input checked="" type="checkbox"/> 适航性 Airworthiness<br>批准放行证书/适航批准标签 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 证书编号<br>Certificate Ref. N°<br>2021-03323 |              |
| 4 单位 Organization:<br>LIEBHERR-AEROSPACE SALINE, INC<br>1465 Woodland Drive<br>Saline MI 48176<br>USA                                                                             |                                                                                                                                   | 5 工作单/合同单/货单<br>Work Order/Contract/Invoice<br>RD 7010285                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |              |
| 6 序号<br>Item                                                                                                                                                                      | 7 内容<br>Description                                                                                                               | 8 件号<br>Part N°                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9 适用性<br>Eligibility                        | 10 数量<br>Qty |
| 1                                                                                                                                                                                 | Main Heat Exchanger                                                                                                               | 754D0000-01                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Not Known                                   | 1            |
| 11 系列号/批号<br>Serial/Batch N°                                                                                                                                                      |                                                                                                                                   | 12 产品状态<br>Status/Work<br>OVERHAULED                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                             |              |
| 13 备注 Remarks<br><br>Approved data: CMM 21-54-14 Rev 3 dated 13 NOV 2019<br>Modification: N/A<br>Investigation Report 7010285<br>Remark: RECORDED. AJ Walter Aviation LTD. W49076 |                                                                                                                                   | 15 使用过的产品 Used Parts<br><br>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通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。<br>Certifies that the work specified above except as 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) |                                             |              |
| 16 批准人签名<br>Signature <i>m. chylla</i> <b>LSL</b>                                                                                                                                 |                                                                                                                                   | 19 中国民航总局授权<br>Issued by or on behalf of the CAAC                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |              |
| 17 批准人姓名 (打印的)<br>Name(Printed) <b>MARK T. CHYLLA</b>                                                                                                                             |                                                                                                                                   | F00100650                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |              |
| 18 批准日期<br>Date <b>17 JUN 2021</b>                                                                                                                                                |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |              |

## SHOP FINDING REPORT

|                          |                        |          |                           |
|--------------------------|------------------------|----------|---------------------------|
| LIEBHERR REPAIR DOSSIER: | 7010285                | CONTACT: | Joshua Smith              |
| RECEPTION DATE:          | 03 JUNE 2021           | EMAIL:   | joshua.smith@liebherr.com |
| CUSTOMER:                | AJ Walter Aviation LTD | DATE:    | 17 JUNE 2021              |
| CUSTOMER PURCHASE ORDER: | W49076                 |          |                           |
| AIRCRAFT TYPE:           | A320                   |          |                           |
| AIRCRAFT REG. NUMBER:    | XA-VIQ                 |          |                           |

### RECEIVED UNIT

CUSTOMER REFERENCE: 754D0000-01  
PART NUMBER: 754D0000-01  
AMENDMENT: -  
SERIAL NUMBER: 81212-71197  
DESCRIPTION: Main Heat Exchanger  
MANUFACTURING CODE: F1958  
MANUFACTURING DATE: 122018

### DELIVERED UNIT

CUSTOMER REFERENCE: 754D0000-01  
PART NUMBER: 754D0000-01  
AMENDMENT: -  
SERIAL NUMBER: 81212-71197  
DESCRIPTION: Main Heat Exchanger

### TIMES & CYCLES

| TSN | TSO | TSI | CSN | CSO | CSI |
|-----|-----|-----|-----|-----|-----|
| N/A | N/A | N/A | N/A | N/A | N/A |

|                     |     |                       |             |
|---------------------|-----|-----------------------|-------------|
| INSTALLATION DATE:  | N/A | REMOVAL DATE:         | 26 APR 2021 |
| LOG CARD EXISTS:    | No  | NON INCIDENT STATEM.: | No          |
| LIFE LIMITED PARTS: | No  |                       |             |

APPROVED DATA: CMM 21-54-14 / REVISION 3 / 11/13/2019

MODIFICATION DOCUMENTS: N/A

|                     |        |                    |                |
|---------------------|--------|--------------------|----------------|
| WORK REQUESTED:     | Repair | WORK PERFORMED:    | Recore         |
| WARRANTY REQUESTED: | Yes    | WARRANTY DECISION: | Under warranty |

## REASON FOR RETURN

Please Repair Under OEM Warranty If Unit Fails Test - 12/2018  
Reason For Removal: Cleaning  
Please Repair under warranty

## FINDINGS AND ANALYSIS

### Findings from Analysis:

- Core - Drop pressure loss nonrecoverable

## WORK PERFORMED

- Recoring

## LIFE LIMITED PARTS

N/A

---

## SHOP FINDING REPORT APPROVED

VALIDATION DATE: 16 JUNE 2021  
VALIDATED BY: Ian Shaw