|   |   | User/Installer Kesponsibilities  | User/Installe   |   |
|---|---|--|---|---|
|   |   |  | 28/FEB/2017   | Cris A. Rickle  |
|   |   | The state of the s | 110333395   | r Frinted):   |
| 14e. Date (dd/mmm/yyyy):                          | 100   | 14d Name (Typed or Printed):   |   | ince  |
|   | RDC2457960  |  | 068020590   | 1000  |
| roval/Ceruncate No.:                              |   | 14b. Authorized Signature:   | 13c. Approval/Authorization No.:  | 13b. Authorized Signature:  |
| ire approved ior                                  |   | Federal Regulations, part return to service.   |   | Non-approved design data specified in Block 12.                               |
| rk identi   | wise specified in Block 12, the word Cert: 1476894/130519 | Certifies that unless other and described in Block 12  | n for safe operation  | Approved design data and are in a condition for safe operation                |
| Other regulation specified in Block 12            |   | 14a.   14 CFR 43.9 Return to Service   |   | 13a. Certifies the items identified above were manufactured in conformity to: |
|   |   |  |   | 12. Kellatis: All wolumicos Approved  |
|   |   |  |   |   |
|   |   |  |   |   |
|   |   |  |   |   |
|   |   |  |   |   |
| NEW   | 2703  |  | UA541461-14   | _   |
| 11. Status/Work:                                  | 10. Serial Number:  | 9. Quantity:   | 8. Part Number:   | 6. Item: 7. Description:  |
| 5. Work Order/Contract/Invoice Number: C000002838 | 18CE  | street; Forest, Ohio 45843   | ".<br>Triumph Thermal Systems, LLC.; 200 Railroad Street; Forest, Ohio 45843 PQ27 | 4. Organization Name and Address: Triumph Therma                              |
|   |   | IINESS APPROVAL TAG  | FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG                                       | FAA/United States   |
| TTS-17-AP0030                                     |   | ASE CERTIFI  | AUTHORIZED RELEASE CERTIFICA  | 1. Approving Civil Aviation Authority/Country: AUTT                           |
| 3. Form Tracking Number:                          |   |  |   |   |

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

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.

LA: 1476894/130519



DATA SHEET NO. <u>FTS-2291-2</u> ISSUED:04/08/99 REVISED: <u>5/22/12</u> PAGE <u>1</u> OF 3

## FUNCTIONAL TEST DATA SHEET

NOMENCLATURE: Main Lube/Servo Fuel/Oil Cooler TTS ASSEMBLY NO. UA541461- (A) POP TTS SPECIFICATION NO. FTS-2291 Rev.11

CUSTOMER: GENERAL ELECTRIC CUSTOMER'S PART NO. 1838M88P/3

SERIAL NO. <del>UDDC</del> 2703 CORE NO. <u>1765</u> DATE TESTED 1-23-17

| COSTONIER S PART I   | 10: 103814188F1S   |  |                         |
|--|--|--|-------------------------|
| TEST<br>CHARACTRISTIC  | REQUIREMENTS   | ACTUAL                                     | TEST STAMP              |
| 5.3 Examination of Product                                   | Dimensional Examination Verified by Inspection Fixture UA541461-T1   | accyc                                      |                         |
| (UA541461-5,-10,-11,-<br>12 and -14)                         | Visual Examination With regard to identification, markings, workmanship, materials, parts, processes and finish. Dry Weight: 29.5lbs.max for -5,-10,- 11,and -12 30.3 lbs max for -14      | 30.0 Lbs.                                  | Date (TS) Stamp         |
| 5.4 Proof Pressure<br>(UA541461-5, -10,-<br>11,-12, and -14) | Fuel and lube tested Separately Main Fuel Circuit: Fluid: MIL-PRF-7024 Pressure: 2748±55 psig Time: 5 minutes Deformation or Leakage None Allowed  Servo Fuel Circuit: Fluid: MIL-PRF-7024 | 7024 Fluid 2750 Psig 5 Min 8684 7024 Fluid | 77.5 Date TTS F10 Stamp |
|  | Pressure: 2748±55 psig Time: 5 minutes Deformation or Leakage- None Allowed  Lube Oil Circuit Fluid: MIL-C-23699 or  | 2750 Psig 5 Min None                       |                         |
|  | MIL-PRF-7024 Pressure: 345 ± 7 psig Time: 5 minutes Deformation or Leakage- None Allowed   | 7024 Fluid  345 Psig                       | Date  TTS F10  Stamp    |
| This data is delivered sub                                   | ject to the terms and condition  | na of Data Matica Ti                       | 1 mi 1 a                |

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DATA SHEET NO FTS-2291-2 ISSUED:02/09/93 REVISED: 5/22/12 PAGE 2 OF3 FUNCTION

FUNCTIONAL TEST DATA SHEET

TTS ASSEMBLY NO .<u>UA541461-14</u>200 SERIAL NO<del>. UDDC</del> <u>2703</u> CORE NO. <u>2765</u>

| TEST CHARACTERISTIC 5.5 Pressure Drop | REQUIREMENTS  | ACTUAL  | TEST STAMP                 |
|---------------------------------------|---|---|----------------------------|
| (UA541461-5,-10,-<br>11,-12, and -14) | Main Fuel Circuit Fluid: MIL-PRF-7024 Flow Rate:655 ± 15 lbs/min  | 7024 fluid<br>655 lbs/min   | 1-23-17<br>Date            |
|                                       | Fluid Temp: 78 ± 10°F  Pressure Drop: 36.3 psi max (net) 31.2 psi min (net)   | 76 °F  Gross 37.5 psi Tare 2.1 psi Net 35.4 psi   | TTS F10                    |
|                                       | Servo Fuel Oil Circuit Fluid: MIL-PRF-7024 Flow Rate: 168 ± 4 lbs/min Fluid Temp: 78 ± 10° F Pressure Drop: 42 psi maximum (net) 26 psi minimum (net) | 7024 fluid 168 lbs/min 76 °F  Gross 424 psi   | 1-23-17 Date TTS F10 Stamp |
|                                       | Lube Oil Circuit Fluid: MIL-L-23699 Flow Rate: 154 ± 3.0 lbs/min Fluid Temp: 200 ± 5° F Pressure Drop: 30 psi maximum (net)  13.5 psi min (net)       | Tare 2.5 psi Net 39.9 psi  23699 fluid 154.4 lbs/min  201 °F  Gross21 psi Tare psi Net 21 psi | 7-23-17<br>Date            |
|                                       |   |   |                            |



This data is delivered subject to the terms and conditions of Data Notice, Triumph Thermal Systems, Inc. DATA SHEET NO FTS-2291-2 TTS ASSEMBLY NO <u>UA541461-14</u> ROP SERIAL NO. <del>UDDC</del> 2703 ISSUED:02/09/93 SERIAL NO. UDDC\_

CORE NO. 276.

REVISED: 05/22/12 PAGE <u>3</u> OF <u>3</u>

FUNCTIONAL TEST DATA SHEET

| REQUIREMENTS   | ACTUAL  | TEST STAMP   |
|--|---|--|
| Lube Oil Valve Fluid: MIL-L-23699 Fluid Temp: Room. Ambient Relief Pressure 70 ± 5 psid Valve Flow | 23/84 fluid<br>_74_°F   | 11-27-1(A<br>Date  |
| 2.0 lbs/min (minimum)  | 20.1 lbs/min  |  |
| Leakage:<br>100 cc/min (max) @<br>50 ± 1 psig inlet  | (F)   | F67 Stamp  |
|  | cc/min  | Stamp  |
| Automatic Particle Counter Manufactured By:  | HIAC  | Main   |
|  | 8011+   | Stamp_   |
| limits for lube and VSCF circuits:   |   | M<br>502   |
| Particle Allowable Size number of (Microns) particles  | Actual number of particles  Main Servo Lube   | Servo: Date <u>01.23.2017</u>  |
| >6 19,462<br>>14 3,462<br>>21 612<br>>38 106   | 119 379 874<br>41 212 329<br>7 46 14  | Stamp M 502  |
| Fluid sample volume  | 0 0 0   | Lube:  |
| 100 ± 5 ml   |   | Date 01 - 23 - 2017  |
|  |   | Stamp  |
|  | Lube Oil Valve Fluid: MIL-L-23699 Fluid Temp: Room. Ambient Relief Pressure 70 ± 5 psid Valve Flow 2.0 lbs/min (minimum)  Leakage: 100 cc/min (max) @ 50 ± 1 psig inlet  Automatic Particle Counter Manufactured By: Model:  Maximum contamination limits for lube and VSCF circuits:  Particle Allowable Size number of (Microns) particles  >6 19,462 >14 3,462 >21 612 >38 106 >70 0 | Lube Oil Valve Fluid: MIL-L-23699 Fluid Temp: Room. Ambient Relief Pressure 70 ± 5 psid Valve Flow 2.0 lbs/min (minimum)  Leakage: 100 cc/min (max) @ 50 ± 1 psig inlet  Automatic Particle Counter Manufactured By: Model:  Maximum contamination limits for lube and VSCF circuits:  Particle Allowable Size number of (Microns) particles  Actual number of particles  Main Servo Lube  // 112 319 7 He 14 14 14 14 15 19 160 160 160 160 160 160 160 160 160 160 |

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A Triumph Group Company

February 28, 2017

New Gen Aerospace Corp. 290 Park Avenue Lake Villa, IL 60046

ATTENTION: SUBJECT:

PURCHASING DEPARTMENT PURCHASE ORDER NO. P54631

PACKING SLIP NO. c000002838-14424

This affidavit certifies the following Lube/Servo Fuel/Oil Cooler:

Item #1

1 pc.

UA541461-14

Serial #2703

## AFFIDAVIT

We hereby certify that the parts and/or materials supplied on the above Packing Slip and Purchase Order meet applicable specifications. This is based upon evidence in our files, or in those of our suppliers, and is available for reference within any reasonable time.

Mark Sievert

Quality Assurance Manager

200 Railroad Street ◆Forest, Ohio 45843 ◆Tel. 419/273-2511 Fax 419/273-3002 or 419/273-3285

Use permanent ink only when completing this form

TTS Form #047 Rev. 01

## Pre Ship Packing Slip Report



2/28/2017 8:36:59AM

From Warehouse:

MAIN

Page:

Packing Slip:

14424

Delivery Term: FOB Origin

From:

Triumph Thermal Systems, Inc. 200 Railroad Street Forest OH 45843

Bill To:

USA

1609

Ship To:

(0)

NEW GEN AEROSPACE CORP. 290 PARK AVENUE

LAKE VILLA IL 60046 **UNITED STATES** 

NEW GEN AEROSPACE CORP. 290 PARK AVENUE LAKE VILLA IL 60046 UNITED STATES

## Order Contact:

| Order Contact:            |  |            |                      |                                 |                      |            |
|---------------------------|--|------------|----------------------|---------------------------------|----------------------|------------|
| Pack Date                 | Order#   | Cust PO    | Constant of Constant | Ship Via                        | Weight               | Packages # |
| 2/28/2017<br>Line/Release | C000002838<br>Item   | P54631     | UM                   | UPS Ground Collect  Qty Ordered | 43.00<br>Qty To Pack | 1          |
| 1                         | UA541461-14SP<br>LUBE/SERVO FUEL/<br>UA541461-14<br>Serial #2703 | OIL COOLER | EA                   | 1.000                           | 1.000                |            |
|                           | Berrar #2703   |            |                      |                                 |                      |            |
| UPS Gi                    | coundtrac-Collect  |            |                      |                                 |                      |            |

#03-5390-2140 1 ctn. 43#