





RD2457960

DATA SHEET NO. FTS-2291-2

ISSUED: 04/08/99

REVISED: 5/22/12

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**FUNCTIONAL TEST DATA SHEET**

NOMENCLATURE: Main Lube/Servo Fuel/Oil Cooler

TTS ASSEMBLY NO. UA541461-~~4~~ ROP

TTS SPECIFICATION NO. FTS-2291 Rev. 11

CUSTOMER: GENERAL ELECTRIC

CUSTOMER'S PART NO. 1838M88P13

SERIAL NO. ~~UDDC~~ 2703

CORE NO. 2765

DATE TESTED 1-23-17

TEST CHARACTERISTIC	REQUIREMENTS	ACTUAL	TEST STAMP
5.3 Examination of Product	<u>Dimensional Examination</u> Verified by Inspection Fixture UA541461-T1	<u>Accept</u>	<u>1-24-17</u> Date Stamp
(UA541461-5,-10,-11,-12 and -14)	<u>Visual Examination</u> 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	<u>30.0</u> Lbs.	<u>1-24-17</u> Date Stamp
5.4 Proof Pressure (UA541461-5, -10--,-11,-12, and -14)	<u>Fuel and lube tested Separately Main Fuel Circuit:</u> Fluid: MIL-PRF-7024 Pressure: 2748±55 psig Time: 5 minutes Deformation or Leakage None Allowed  <u>Servo Fuel Circuit:</u> Fluid: MIL-PRF-7024 Pressure: 2748±55 psig Time: 5 minutes Deformation or Leakage- None Allowed  <u>Lube Oil Circuit</u> Fluid: MIL-C-23699 or MIL-PRF-7024 Pressure: 345 ± 7 psig Time: 5 minutes Deformation or Leakage- None Allowed	<u>7024</u> Fluid <u>2750</u> Psig <u>5</u> Min <u>NONE</u>  <u>7024</u> Fluid <u>2750</u> Psig <u>5</u> Min <u>NONE</u>  <u>7024</u> Fluid <u>345</u> Psig <u>5</u> Min <u>NONE</u>	<u>1-23-17</u> Date Stamp  <u>1-23-17</u> Date Stamp

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 ISSUED: 02/09/93  
 REVISED: 5/22/12  
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TTS ASSEMBLY NO UA541461-14R0P  
 SERIAL NO: UDDC 2703  
 CORE NO. 2765

FUNCTIONAL TEST DATA SHEET

TEST CHARACTERISTIC	REQUIREMENTS	ACTUAL	TEST STAMP
5.5 Pressure Drop  (UA541461-5,-10,-11,-12, and -14)	<u>Main Fuel Circuit</u> Fluid: MIL-PRF-7024 Flow Rate: $655 \pm 15$ lbs/min  Fluid Temp: $78 \pm 10^\circ\text{F}$  Pressure Drop: 36.3 psi max (net) 31.2 psi min (net)	<u>7024</u> fluid <u>655</u> lbs/min  <u>76</u> °F  Gross <u>37.5</u> psi Tare <u>2.1</u> psi Net <u>35.4</u> psi	<u>1-23-17</u> Date   Stamp
	<u>Servo Fuel Oil Circuit</u> Fluid: MIL-PRF-7024 Flow Rate: $168 \pm 4$ lbs/min Fluid Temp: $78 \pm 10^\circ\text{F}$ Pressure Drop: 42 psi maximum (net) 26 psi minimum (net)	<u>7024</u> fluid <u>168</u> lbs/min  <u>76</u> °F  Gross <u>42.4</u> psi Tare <u>2.5</u> psi Net <u>39.9</u> psi	<u>1-23-17</u> Date   Stamp
	<u>Lube Oil Circuit</u> Fluid: MIL-L-23699 Flow Rate: $154 \pm 3.0$ lbs/min Fluid Temp: $200 \pm 5^\circ\text{F}$ Pressure Drop: 30 psi maximum (net)  13.5 psi min (net)	<u>23699</u> fluid <u>154.4</u> lbs/min  <u>201</u> °F  Gross <u>21</u> psi Tare <u>0</u> psi Net <u>21</u> psi	<u>1-23-17</u> Date   Stamp

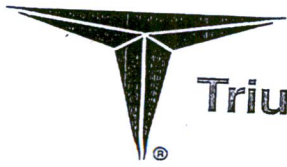
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**DATA SHEET NO. FTS-2291-2**  
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**REVISED: 05/22/12**  
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**TTS ASSEMBLY NO. UA541461-1420 P**  
**SERIAL NO. UDDC 2703**  
**CORE NO. 2765**

**FUNCTIONAL TEST DATA SHEET**

TEST CHARACTERISTIC	REQUIREMENTS	ACTUAL	TEST STAMP																											
5.6 Bypass Valve	<b>Lube Oil Valve</b> 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	<u>23.89</u> fluid <u>74</u> °F  <u>20.1</u> lbs/min  <u>10</u> cc/min	<u>11-27-16</u> Date  <div style="border: 1px solid black; padding: 2px; display: inline-block;">TTS F67</div> Stamp																											
5.7 Cleanliness  (UA541461-5,-10,-11,-12, and -14)	<b>Automatic Particle Counter</b> Manufactured By: Model:  Maximum contamination limits for lube and VSCF circuits:  <table border="0"> <tr> <td>Particle Size (Microns)</td> <td>Allowable number of particles</td> </tr> <tr> <td>&gt;6</td> <td>19,462</td> </tr> <tr> <td>&gt;14</td> <td>3,462</td> </tr> <tr> <td>&gt;21</td> <td>612</td> </tr> <tr> <td>&gt;38</td> <td>106</td> </tr> <tr> <td>&gt;70</td> <td>0</td> </tr> </table> Fluid sample volume 100 ± 5 ml	Particle Size (Microns)	Allowable number of particles	>6	19,462	>14	3,462	>21	612	>38	106	>70	0	HIAC 8011+  Actual number of particles Main Servo Lube <table border="0"> <tr> <td><u>119</u></td> <td><u>379</u></td> <td><u>874</u></td> </tr> <tr> <td><u>41</u></td> <td><u>212</u></td> <td><u>339</u></td> </tr> <tr> <td><u>7</u></td> <td><u>46</u></td> <td><u>14</u></td> </tr> <tr> <td><u>0</u></td> <td><u>1</u></td> <td><u>0</u></td> </tr> <tr> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> </tr> </table> 100 100 100	<u>119</u>	<u>379</u>	<u>874</u>	<u>41</u>	<u>212</u>	<u>339</u>	<u>7</u>	<u>46</u>	<u>14</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Main _____ Date <u>01.23.2017</u> Stamp _____ <div style="border: 1px solid black; padding: 2px; display: inline-block;">M 502</div> Servo: Date <u>01.23.2017</u> Stamp _____ <div style="border: 1px solid black; padding: 2px; display: inline-block;">M 502</div> Lube: Date <u>01.23.2017</u> Stamp _____ <div style="border: 1px solid black; padding: 2px; display: inline-block;">M 502</div>
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>6	19,462																													
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**Triumph Thermal Systems**

*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: 1

Packing Slip: 14424

From:

Delivery Term: FOB Origin

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

Bill To: 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:

Pack Date	Order #	Cust PO	Ship Via	Weight	Packages #
2/28/2017	C000002838	P54631	UPS Ground Collect	43.00	1
Line/Release	Item	UM	Qty Ordered	Qty To Pack	
1	UA541461-14SP LUBE/SERVO FUEL/OIL COOLER UA541461-14	EA	1.000	1.000	

Serial #2703

UPS Groundtrac-Collect  
#03-5390-2140  
1 ctn. 43#

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BSnider

TRIUMPH THERMAL SYSTEMS, LLC

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