

1. Approving Civil Aviation
Authority/Country:

2.

3. Form Tracking
Number:

FAA/United States

AUTHORIZED RELEASE CERTIFICATE
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

W33877

4. Organization Name and Address:

Aerostar

2248 Michigan Ave.

Mobile, AL 36615

Ph: 251-650-0927, Fax: 251-281-2642

FAA Repair Station: 8AXR864B

5. Work Order/Contract/Invoice
Number:

RO-31258

6. Item:

7. Description:

8. Part Number:

9. Quantity:

10. Serial Number:

11. Status/Work:

1

SELECTOR VALVE

A25313003

1.00

H3132

REPAIRED

12. REMARKS:

The work specified has been accomplished in accordance with:

CSN: CMM 32-42-11, Revision #: 14, Revision Date: 1/21/2020

TSN:
TSO:

CSN:
CSO:

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 [PRODUCT/ARTICLE] is considered ready for release to service under EASA part 145 approval no. EASA 145-6371.

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

13b. Authorized Signature:

13c. Approval/Authorization No.:

13d. Name (Typed or Printed):

13e. Date (dd/mm/yyyy):

14a. ☒ 14 CFR 43.9 Return 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature:

14c. Approval/Certificate No.:

14d. Name (Typed or Printed):

Ryan Dey

8AXR864B

14e. Date (dd/mm/yyyy):

03 Aug 2022

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.

Statement 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.

**Aerostar**

2248 Michigan Ave.

Mobile, AL 36615

Ph: 251-650-0927, Fax: 251-281-2642

Tear Down/Inspection

Work Order #: W33877

Customer PO: RO-31258

CPN:

To:

ATTN: AIRFRAME REPAIRS

TRUEAERO

6020 99TH STREET

SEBASTIAN, FL 32958

USA

Ship To:

TRUEAERO

ATTN: LEE WEINRAUB

609 107TH STREET

ARLINGTON, TX 76011

USA

Part Number: A25313003

Serial Number: H3132

Description: SELECTOR VALVE

Incoming:

UNIT IS EXTERNALLY CONTAMINATED

Teardown:

UNIT FAILED FUNCTIONAL TEST. UNIT REQUIRES NEW ARMATURE ASSEMBLY AND PACKINGS

Corrective Actions:

PERFORMED REPAIR AND TEST IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

Part Number	Description	Quantity
NAS1611-014A	PACKING	1
GA70971	ARMATURE ASSY.	1
KPT02H8-2PN	Connector	1

Functional Test Report

Work Order: W33877

Customer: TRUEAERO

RO Number: 31258

Description: SELECTOR VALVE

Part Number: A25313003

Serial Number: H3132

STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
1.0	1.D.(1)	INSULATION TEST OF THE ELECTRO MAGNET - RECORD MEASUREMENT IN MEGAOHMS	2.0000	N/A	10.0000	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
2.0	1.D.(2)	GROUND CONTINUITY TEST OF THE ELECTRO MAGNET - RECORD MEASUREMENT IN MILLIOHMS	N/A	10.0000	10.0000	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
3.0	1.D.(5)	TEST OF THE CONNECTOR ASSEMBLY OF THE ELECTRO MAGNET -	N/A	N/A	N/A	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
4.0	1.D.(6).(b)	HYDRAULIC LEAKAGE TESTS OF THE SELECTOR VALVE; ELECTRO MAGNET DE-ENERGIZED - RECORD MEASUREMENT IN CM3/MIN	N/A	170.0000	110	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
5.0	1.D.(6).(c)	HYDRAULIC LEAKAGE TESTS OF THE SELECTOR VALVE; ELECTRO MAGNET ENERGIZED - RECORD MEASUREMENT IN CM3/MIN	N/A	40.0000	10	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
6.0	1.D.(6).(d)	HYDRAULIC LEAKAGE TESTS OF THE SELECTOR VALVE; ELECTRO MAGNET DE-ENERGIZED - NO EXTERNAL LEAKAGE OR PRESSURE DECREASE AT PORT B ALLOWED	N/A	N/A	N/A	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
7.0	1.D.(7).(a).4	OPERATION TESTS - RECORD MEASUREMENT IN CM3/MIN	N/A	170.0000	140	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
8.0	1.D.(7).(a).1	OPERATION TESTS - RECORD MEASUREMENT IN CM3/MIN	N/A	170.0000	135	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
9.0	1.D.(7).(a).2	OPERATION TESTS - RECORD MEASUREMENT IN CM3/MIN	N/A	170.0000	137	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
10.0	1.D.(7).(b)	MEASUREMENT OF THE THRESHOLD OF THE FLUID FLOW -	N/A	N/A	N/A	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
11.0	1.D.(7).(c)	LOW PRESSURE OPERATION TEST AT 13 VDC -	N/A	N/A	N/A	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
12.0	1.D.(7).(d)	HIGH PRESSURE CLOSURE TEST -	N/A	N/A	N/A	PASS		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
13.0	1.D.(7).(e)	CHECK OF MINIMUM CLOSING VOLTAGE - RECORD MEASUREMENT IN VDC	5.0000	N/A	7	PASS		

Work Order: W33877

Customer: TRUEAERO

RO Number: 31258

Description: SELECTOR VALVE

Part Number: A25313003

Serial Number: H3132

STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
14.0	1.D.(7).(f)	HYDRAULIC FLOW TEST FROM THE PORT C TO THE PORT B -	N/A	N/A		✓		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
15.0	1.D.(8).(B).8	RESPONSE TIME MEASUREMENT - RECORD MEASUREMENT IN SECONDS	0.6000	0.8000	0.8	✓		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
16.0	1.D.(8).(B).9	RESPONSE TIME MEASUREMENT - RECORD MEASUREMENT IN SECONDS	N/A	0.5000	6.24	✓		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
17.0	1.D.(9).(a)	PRESSURE DROP TEST - RECORD MEASUREMENT IN PSI	N/A	58.0000	59	✓		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
18.0	1.D.(9).(b)	PRESSURE DROP TEST - RECORD MEASUREMENT IN PSI	N/A	87.0000	81	✓		
STEP	CMM REF.	TEST DESCRIPTION	MIN	MAX	ACTUAL	PASS	FAIL	N/A
19.0	1.D.(10)	GROUND CONTINUITY TEST OF THE SELECTOR VALVE - RECORD MEASUREMENT IN MILLIOHMS	N/A	10.0000	4000	✓		

Test Equipment Used:

AS-FIM-001	AS-1MM-002	AS-T61-053
AS-0MM-001A	AS-HFM-004	

Incoming Test ☐ Final Test ☒

Temperature: 70

Humidity: 50

CMM 32-42-11

Revision: 14

Rev. Date: 1/21/2020

Technician: CRH085

Date: 08/03/22

Supervisor: [Signature]

Inspector: [Signature]



Aerostar
2248 Michigan Ave.
Mobile, AL 36615
Ph: 251-650-0927, Fax: 251-281-2642

WO Packing Slip

WO #: W33877

Date: 8/3/2022

Time: 12:57:07 PM

Page: 1

To:
TRUEAERO
6020 99TH STREET
SEBASTIAN, FL 32958
USA

Ship To:
TRUEAERO
ATTN: LEE WEINRAUB
609 107TH STREET
ARLINGTON, TX 76011
USA

Order Date: 3/7/2022

Prepared By: DJONES

Customer #: TALLC

Buyer: AIRFRAME REPAIRS

Email: AirframeRepairs@trueaero.com

Ship Via: UPS GROUND

Ship Via Acc: 16r22x

Part Number/Description	Qty
A25313003 SELECTOR VALVE Loc/Whse: Serial #: H3132	1