



1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 0541303	
4. Organization Name and Address Aero-Mach Labs, Inc. 7707 E Funston St Wichita, Kansas 67207 Certificate Number NU2R044L					5. Work Order, Contract or Invoice Nt 0541303	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11: Status/Work	
1	TORQUE PRESSURE	SR-2AJ 100-384048-3	1	106	OVERHAULED	
12. REMARKS The work specified has been accomplished in accordance with 977-0682 REV OR. Aero-Mach Labs, Inc. certifies that the work specified in Blocks 11 and 12 was carried out in accordance with EASA Part-145 and in respect to that work, the component is considered ready for release to service under EASA Part-145 Approval Number EASA.145.4048. Full details held on work order 0541303.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <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 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 N		14b. Authorized Signature 		14c. Approval/Certificate No.: NU2R044L
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy)		14d. Name (Typed or Printed): LARRY MASSINGILL		14e. Date (dd/mm/yyyy) 22/Aug/2025
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 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.						

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 0541303	
4. Organization Name and Address Aero-Mach Labs, Inc. 7707 E Funston St Wichita, Kansas 67207 Certificate Number NU2R044L					5. Work Order, Contract or Invoice Nt 0541303	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11: Status/Work	
1	TORQUE PRESSURE INDICATOR	SR-2AJ 100-384048-3	1	106	OVERHAULED	
12. REMARKS The work specified has been accomplished in accordance with 977-0682 REV OR. Aero-Mach Labs, Inc. certifies that the work specified in Blocks 11 and 12 was carried out in accordance with (UK)Part-145 and in respect to that work, the component is considered ready for release to service under (UK)Part-145 Approval Number UK.145.50364, Full details held on work order 0541303.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <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 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 N		14b. Authorized Signature 		14c. Approval/Certificate No.: NU2R044L
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy)		14d. Name (Typed or Printed): LARRY MASSINGILL		14e. Date (dd/mm/yyyy) 22/Aug/2025
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 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.						

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005



7707 E. FUNSTON
WICHITA, KANSAS 67207
316-682-7707
800-221-4678

FAX NO. 316-682-3418
www.aeromach.com

WORK ORDER



F.A.A. NO NU2R044L
EASA CERTIFIED
AS9100/AS9110/ISO 9001 CERTIFIED

Job Order No: 0541303
Order Date: 07/22/25
Item Number: SR-2AJ
Customer P/N: 100-384048-3
Description: TORQUE PRESSURE INDICATOR
Mfr. Name: AMETEK
Mfr. Date:
Serial Number: 106
Purchase Ord#: RO1123
Packing Slip:



Customer: AVE008
AV-ENG AERO LTD
101-1880 GOVERNMENT ST
PENTICTON, BC V2A 7J1

Customer: AVE008
AV-ENG AERO LTD
101-1880 GOVERNMENT ST
PENTICTON, BC V2A 7J1

Previous W/O:		Qty	Part Number / Description
Discrepancy/Complaint/Instructions - EVAL AND ADVISE. PLEASE PERFORM FUNCTIONALITY TEST.		1	DIAL2: RESCREEN DIAL
Inspection/Hidden Damage/In-Process Inspection - SYNCHRO SHOWING SIGNS OF WEAR, BUT WITHIN TOLERANCE. DIAL IS DISCOLORED WOULD RECOMMEND UNIT BE OPENED AND DIAL BE RESCREENED. <div>By: KATHY RIEDL</div>			
Work Performed - DISASSEMBLED, CLEANED, INSPECTED AND REPAIRED AS NECESSARY. REASSEMBLED AND FUNCTIONALLY TESTED IN ACCORDANCE WITH LISTED SPECIFICATIONS. OVERHAUL COMPLETE.			
977-0682 REV OR			
Final Inspection - Douglas Robison By: <u>DR</u> 	Technician: KATHY RIEDL Certified Repairman:  Certificate Number: 3387814 Date Completed: 8-22-25	Warranty Information - Requested...: None: <input checked="" type="checkbox"/> AML: <input type="checkbox"/> Mfgr: <input type="checkbox"/> Responsible: None: <input checked="" type="checkbox"/> AML: <input type="checkbox"/> Mfgr: <input type="checkbox"/>	Aircraft No: Repair Type: OVERHAULED

ACCEPTANCE TEST PROCEDURE SYNCHRO INDICATORS	TS-524-Y REV. U DATASHEETS Pgs. 12-15
TITLE	Sheet 12 of 15

AMETEK P/N SR-2AU S/N _____
 AMETEK P/N SR-2AJ S/N 106
 C-2500 FT-LB SYNCHRO INDICATOR

DATE 8/22/25
 Sheet 1 of 1

PARA	DESCRIPTION	ACCEPT	REJECT
3.1	Examination of Product	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.2	Dielectric Strength $\leq 500 \mu A$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.3	Electrical Zero $\leq .010"$ of EZ mark	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.4	Scale & Friction Error	<input type="checkbox"/>	<input type="checkbox"/>

Test Point (Ft-Lb)	Transmitter Angle ($^{\circ}$)		Scale Error		Friction Error			
	Untapped	Min	Tapped	Max	Delta	Max		
0.0	<u>190</u>	188.7	<u>190.2</u>	191.3	<u>.2</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
400.0	<u>241.4</u>	240.8	<u>241.4</u>	243.4	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
800.0	<u>294.8</u>	292.9	<u>294.8</u>	295.5	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1200.0	<u>347.0</u>	344.9	<u>347.0</u>	347.5	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1305.6 (EZ)	<u>0</u>	359.5	<u>0</u>	0.5	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1600.0	<u>39.3</u>	37.0	<u>39.4</u>	39.6	<u>.1</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2000.0	<u>91.0</u>	89.1	<u>91.0</u>	91.7	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2400.0	<u>142.0</u>	141.2	<u>142.1</u>	143.8	<u>.1</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2500.0	<u>156.6</u>	154.2	<u>156.6</u>	156.8	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2400.0	<u>142.0</u>	141.2	<u>142.1</u>	143.8	<u>.1</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2000.0	<u>91.0</u>	89.1	<u>91.0</u>	91.7	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1600.0	<u>39.3</u>	37.0	<u>39.4</u>	39.6	<u>.1</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1305.6 (EZ)	<u>0</u>	359.5	<u>0</u>	0.5	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1200.0	<u>347.0</u>	344.9	<u>347.0</u>	347.5	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
800.0	<u>294.8</u>	292.9	<u>294.8</u>	295.5	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
400.0	<u>241.4</u>	240.8	<u>241.4</u>	243.4	<u>0</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.0	<u>190</u>	188.7	<u>190.2</u>	191.3	<u>.2</u>	± 2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.5	Position Error at 1305.6 Ft-Lb $\leq \pm 2.6^{\circ}$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.6	Case Leakage $\leq 1 \times 10^{-5}$ cc/sec	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Kathy Riedl 8/22/25
 Inspector Date

TEST EQUIPMENT
 Name Manufacturer TE or ID Number Cal Exp Date

One copy of the data sheet is to be sent with instrument.

AMETEK
 AEROSPACE
 SELLERSVILLE, PA 18360
 CAGE 61716

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