

INDICATOR, ENGINE 28 VDC
LIGHTING 5 VDC
N2 0 TO 110% RPM
OIL PRESS. 0 TO 100 PSI
OIL TEMP 0 TO 130°C
TSO-C43b TSO-C47
AMETEK, SELLERSVILLE PA
WEIGHT 3.9 LBS
S/N 138 MFD APR 94
NP-404-CJ

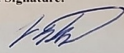
AMETEK P/N 10536N01M00
CESSNA P/N 9912430-2



LEFT

NP-404-CK

J2

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 0530692	
4. Organization Name and Address: Aero-Mach Labs Inc. 7707 E Funston St Wichita, Kansas 67207 Certificate Number NU2R044L				5. Work Order/Contract/Invoice Number: 0530692	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number	11. Status/Work:
1	N2 OIL PRESS/TEMP IND	10536N01M00 9912430-2	1	138	REPAIRED
12. Remarks The work specified has been accomplished in accordance with 73-30-19 REV ORG. 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 0530692.					
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.			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.		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.: NU2R044L	
				14d. Name (Typed or Printed): LARRY MASSINGILL	
				14e. Date (dd/mm/yyyy): 29/May/2024	
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. 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.					



AERO-MACH
LABS, INC. Aircraft Instruments Sales & Service

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WICHITA, KANSAS 67207
316-682-7707
800-221-4678

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

WORK ORDER

FAA NO. NU2R044L
EASA CERTIFIED
AS9100/AS9110/ISO 9001 CERTIFIED

Job Order No.: 0530692



Order Date...

Item Number... 10536N01M00

Customer P/N... 9912430-2

Description... N2 OIL PRESS/TEMP IND

Mfr. Name... AMETEK

Mfr. Date... 04/01/1994

Serial Number... 138

Purchase Ord#... 344

Packing Slip...

Bill To: PIU001
PIUS PARTS
11 BEE TREE CIR

Ship To: PIU001
PIUS PARTS
11 BEE TREE CIR

ROCKPORT, TX 78382

ROCKPORT, TX 78382

Previous W/O: 0516094	Qty	Part Number/Description
Discrepancy/Complaint/Instructions: EVAL AND ADVISE, REPAIR.		
Inspection/Hidden Damage/In-Process Inspection: NO COMPLAINT GIVEN. THE N2 RH DIGITS ARE INTERMITTENT. ON THE N2 RH PCB, U2 HAS COLD SOLDER JOINTS WHICH NEED REFLOWING. FURTHER TROUBLESHOOTING MAY BE REQUIRED AFTER REPAIRS ARE COMPLETE.		
By: CRAIG SIMONIS		
Work Performed: DISASSEMBLED, CLEANED, INSPECTED AND REPAIRED AS NECESSARY. REASSEMBLED AND FUNCTIONALLY TESTED IN ACCORDANCE WITH LISTED SPECIFICATIONS. REPAIR COMPLETE.		
73-30-19 REV ORG		
Final Inspection: DOUGLAS ROBISON By: DR	Technician.....: SEAN KELLY Certified Repairman: Certificate Number.: 3382814 Date Completed.....: 5-29-24	Warranty Information - Requested... None: X AML: - Mfr: - Responsible: Cust: X AML: - Mfr: -
		Aircraft No: Repair Type: REPAIRED

Rev: 07/15/03

N2/OP/OT INDICATOR

PART 10536 SERIES

10536 DATASHEET (N01, N02)

UNIT TESTED (CHECK ONE)

☒ 10536N01M00 ☐ 10536N02M00

AERO-MACH/AMETEK PART: 10536N01M00, 10536N02M00
CESSNA PART NUMBER: 9912430-2, 9912430-6

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DATE 28 APR 2014

UNIT SERIAL NO. 178

TESTED BY [Signature]

PSBA	DESCRIPTION	ACCEPT	REJECT
3.3	Visual Inspection	☒	☐
3.4.1	Light Leakage	☒	☐
3.4.2	Lighting Current	☒	☐
	@ 5.0 VDC (10536N01M00)	Min 565 Actual 603 Max 725	
	@ 5.0 VDC (10536N02M00)	Min 485 Actual N/A Max 595	
3.5	Insulation Resistance	☒	☐
	>20 MΩ (<25 μA)		
3.6	Case Ground	☒	☐
	J2-L to case, <.5 ohms		
3.8	Steady State Current	☒	☐
	5V lighting at 5.0 VDC,	Actual 161 mA Max 205	
	5V lighting at 0.0 VDC,	Actual 254 mA Max 280	
3.9	Channel Separation And Tape Return	☒	☐
	Remove LEFT Connector Only		
	Both Left Channels Show OFF	☒	☐
	Left LCD Blanks	☒	☐
	Right Channels Unchanged	☒	☐
	Remove RIGHT Connector Only		
	Both Right Channels Show OFF	☒	☐
	Right LCD Blanks	☒	☐
	Left Channels Unchanged	☒	☐
3.10	Smoothness Test	☒	☐
3.11	Stop Impact Test	☒	☐

Aero-Mach Labs
APPROVED DATA
Lab/Prod: [Signature]
Q.A.: [Signature]
Date: JAN 14 2013

3.12.1 & 3.12.6 N2 Scale Error & Voltage Stability

Signal Input	Left	Right	Max
(Hz, Vpp=1.5)	Channel	Channel	
1238.2	20.0	20.1	20.2
3129.3	50.7	50.8	50.9
3129.3 @ 9.0V	50.7	50.8	50.9
3129.3 @ 30.3V	50.7	50.8	50.9
6745.2	109.4	109.5	109.6
No ghosting, dim, out or shorted segments			