

Appendix 1 to AD 2020-26-16

Inspection Results Form

Email completed form to:
9-ASO-ATLCOS-Reporting@faa.gov
 and
customer.service@piper.com


Or mail to: Federal Aviation Administration
 Atlanta ACO Branch, AIR-7A1
 1701 Columbia Avenue
 College Park, GA 30337
 and
 Piper Certification Office
 2926 Piper Drive
 Vero Beach, FL 32960

SUBJECT line: Docket No. FAA-2018-1046

Include photos if applicable

Aircraft Model No.: PA- 28-161	Serial Number: 28-7816082
Aircraft Total Hours Time-In-Service (TIS): 12198.58 ^{2/4/2021} 9308.5	Registration Number: N47490
Factored Service Hours Left-Hand (LH) Wing: 9094	Right-Hand (RH) Wing: 9094
(If both wings are factory installed original, these numbers should be the same)	
Inspection Results	
LH Wing Spar Fwd Accepted <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	RH Wing Spar Fwd Accepted <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
LH Wing Spar Aft Accepted <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	RH Wing Spar Aft Accepted <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Inspector Comments (observed damage, condition of hole, etc)	

Inspector Information

Name (print): Kristen Dennis Signature: 
 Certificate No.: R\$ # 9D\$R786B Date: 02/04/2021

Issued on December 30, 2020.

Gaetano A. Sciortino,
 Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft
 Certification Service.

[FR Doc. 2021-00044 Filed 1-14-21; 8:45 am]



Eddy Current Inspection NDT Report

WO # CMS-47355	Customer Corvallis Maintenance Service	Date January 25, 2021
Item # 1	Manufacturer Piper	TT <u>12198.5</u> / Tach: <u>3211.5</u> <u>4308.5</u> <u>2/4/2021</u>
Part # PA-28-161 (N47490)	Serial # 28-7816082	Quantity 1

Work Request

Perform eddy current inspection of the L/H and R/H Main Wing Spar Lower Cap two outermost (forward and aft sides) attach bolt holes per customer supplied information and instruction.

Manual Reference

Docket No. FAA-2018-1046; Product Identifier 2018-CE-049-AD: Amendment 39-21371: AD 2020-26-16, Piper Service Bulletin No. 1345 Dated March 27, 2020 & NPI NDT Manual FAA-ET-100.0 Rev 000.

Equipment

Manufacturer Olympus/Nortec	Model # Nortec 600D	Serial # 60001150093	Calibration Due Date: 04/07/2021
--------------------------------	------------------------	-------------------------	-------------------------------------

Preliminary Inspection

Inspector <u>[Signature]</u>	Hidden Damage Inspection N/A <u>[Signature]</u>
---------------------------------	--

Work Performed

Performed an eddy current inspection of the L/H and R/H Main Wing Spar Lower Cap two outermost (forward and aft sides) attach bolt holes as required by Docket No. FAA-2018-1046; Product Identifier 2018-CE-049-AD: Amendment 39-21371: AD 2020-26-16, Piper Service Bulletin No. 1345 Dated March 27, 2020 & NPI NDT Manual FAA-ET-100.0 Rev 000.

AD effective date February 16 2021

No cracks found at this time.

Probe: P/N VM101BDC-3/8 S/N MSC-2046, P/N VM2502RAFX-1/2 X 6/H 200KHZ-2MHZ, S/N NDP-1

Standard: P/N VM89A-2 S/N TAIL-01002

Final Inspection By: [Signature] ET Level: 2 Date: 02/04/2021

Non-destructive testing method: Eddy Current was accomplished in accordance with applicable FAA regulations. So far as the work performed by this repair station, the aircraft/components were found free of defects and is/are approved to be returned to service as of the date of this report.

Signature: [Signature] Date: February 04, 2021

FAA # 9DSR786B
NDE Professionals, Inc.
13339 NE Airport Way, Suite 100
Portland, OR 97230

**PIPER AIRCRAFT
PA-28-161 CADET
AIRPLANE MAINTENANCE MANUAL**

BOLT LEGEND <i>MS21095</i>			WASHER	
POSITION	BOLT*	NUT*	UNDER HEAD	UNDER NUT
A-1	AN176-13A	MS20365-624C	(1) AN960-616	(1) AN960-616 & (1) 96352-3
A-2	AN176-12A	MS20365-62C	(1) AN960-616	(1) AN960-616 & (1) 96352-3
A-3	AN176-12A	MS20365-624C	(1) AN960-616	(1) AN960-616 & (1) 96352-3
A-4	AN176-12A	MS20365-624C	(1) AN960-616	(1) AN960-616 & (1) 96352-3
B-1	AN176 14A	MS20365-624C	(1) AN960-616	(2) AN960-616
B-2	AN176-13A	MS20365-624C	(1) AN960-616	(2) AN960-616
B-3	AN176-13A	MS20365-624C	(1) AN960-616	(2) AN960-616
B-4	AN176-13A	MS20365-624C	(1) AN960-616	(2) AN960-616
C-1	AN176-13A	MS20365-624C	(1) AN960-616	(1) AN960-616
C-2	AN176-13A	MS20365-624C	(1) 96352-3	(2) AN960-616
C-3	AN176-13A	MS20365-624C	(1) 96352-3	(2) AN960-616
C-4	AN176-13A	MS20365-624C	(1) 96352-3	(2) AN960-616
C-5	AN176-13A	MS20365-624C	(1) 96352-3	(1) 96352-3
D-1	AN176-13A	MS20365-624C	(1) 96352-3	(1) AN960-616
D-2	AN176-13A	MS20365-624C	(1) 96352-3	(2) AN960-616
D-3	AN176-13A	MS20365-624C	(1) 96352-3	(2) AN960-616
D-4	AN176-13A	MS20365-624C	(1) 96352-3	(2) AN960-616
D-5	AN176-13A	MS20365-624C	(1) 96352-3	(1) 96352-3

*Torque Boltheads on Upper Spar Cap and Nut on Lower Spar Cap 360-390 in-lbs

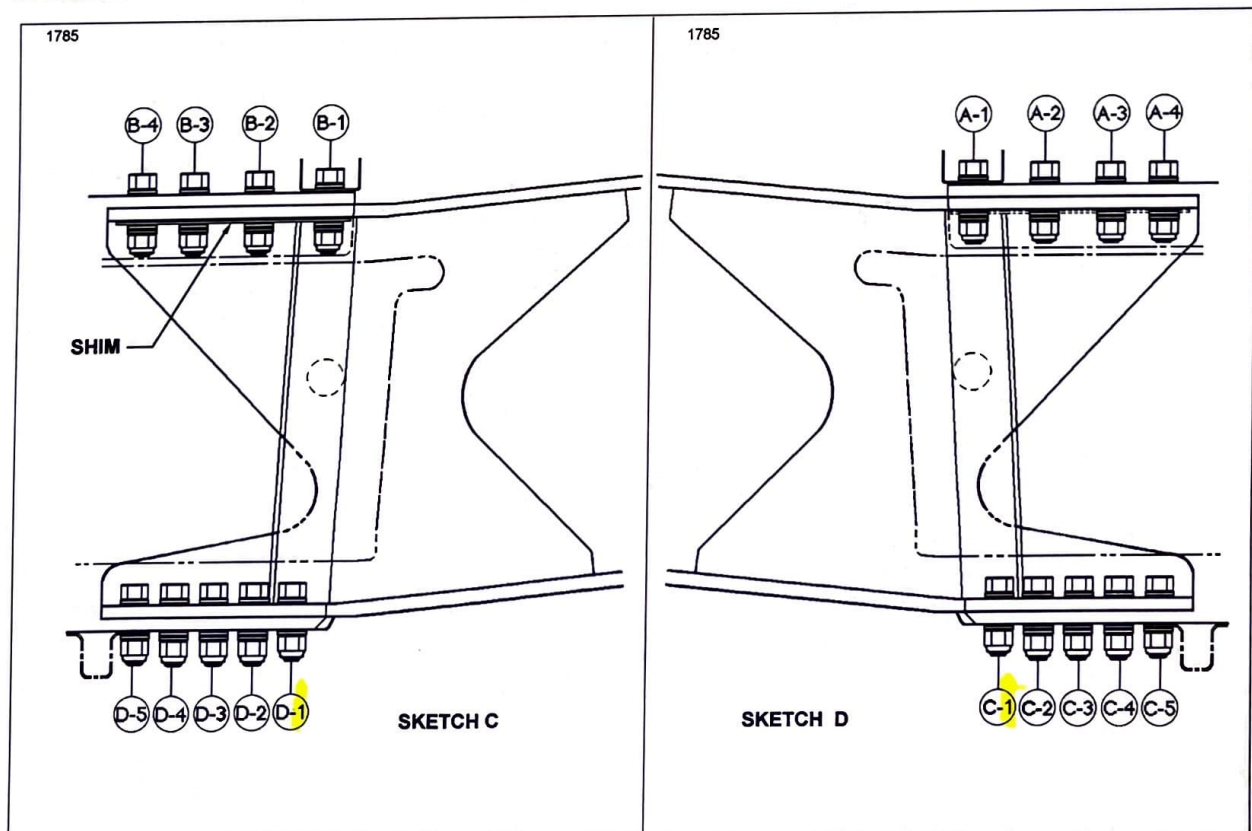


Figure 4-2. Wing Installation (cont)

Issued: FEBRUARY. 28, 1989

STRUCTURES

N47490

#1

ENGINE LOG BOOK



Engine Log & Maintenance Record

LOG #: 1

RECORD OF Lycoming O-320-D3G L-7165-39E
(MAKE) (MODEL) (SERIAL)

AIRCRAFT REGISTRATION NUMBER: N47490

FROM Nov 2019 TO 20

DETAILING TIME FROM 5726.1 TO
(HOURS) (HOURS)

If used on a multi-engine aircraft: Right Left Front Rear

Overhaul Reciprocating Engine Certificate

LYCOMING

This is to certify that the engine as described hereinafter has been OVERHAULED in accordance with the applicable Lycoming specifications. It has been determined airworthy to return to service and is in a condition for safe operation. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Publications have been complied with. All accessories as part of the type certificate are new or newly rebuilt or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number HENPL-RT8150
Serial Number L-7165-39E
Engine Model O-320-D3G
Work Order KM744275
Total Time 5726.1

Charles Hess 10/24/19
Authorized Representative Date

Repair Station EJ1R115K

652 Oliver Street Williamsport, PA 17701 U.S.A.
Lycoming Engines is a division of Avco Corporation

Form 2480 Rev 05/13

Serial

3

Serial # _____

Page Total: _____

Brought Forward: _____

Total to Date: _____

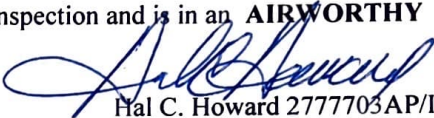
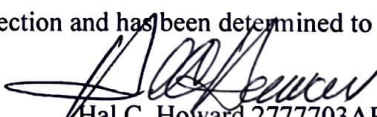

4

Serial

7

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					
<p>Corvallis Maintenance Service 5695 SW Airport Place Corvallis, OR. 97333 Engine Lycoming O-320-D3G S/N L-7165-39E ETT: 6320.9 TSMOH: 594.8 N47490 Piper PA28-161 S/N 7816082 TACH: 3410.3 AFTT: 12397.3 DATE: 8/30/2021 A 100hr inspection was performed per FAR 43 Appendix D requirements using Manufactures Operations Manual as a guide. Compressions: #1 68/80 #2 70/80 #3 70/80 #4 68/80. Borescope inspection of cylinders revealed slight corrosion on valve seats. Repaired cracked engine baffling. Drained oil Serviced with 8qts X/C 20W50. Installed new AA48110-2 oil filter. Filter insp. Good. Removed, Cleaned and Inspected spark plugs, rotated and reinstalled. Ground run Good.</p> <p>AD's current thru Bi-weekly 2021-18 no new.</p> <p>I certify that this Engine has been inspected IAW a 100 HR Inspection and is in an AIRWORTHY condition with respect to the work performed.</p> <p>W/O# 21-0119  Hal C. Howard 2777703AP/IA</p>					
<p>Corvallis Maintenance Service 5695 SW Airport Place Corvallis, OR. 97333 Engine Lycoming O-320-D3G S/N L-7165-39E ETT: 6366.9 TSMOH: 640.8 N47490 Piper PA28-161 S/N 7816082 TACH: 3456.3 AFTT: 12443.3 DATE: 12/10/2021 A 100hr inspection was performed per FAR 43 Appendix D requirements using Manufactures Operations Manual as a guide. Compressions: #1 72/80 #2 72/80 #3 72/80 #4 73/80. Replaced induction Filter BA-16. Re-safetyed Oil Filler Tube. Drained oil Serviced with 8qts X/C 20W50. Installed new AA48110-2 oil filter. Filter insp. Good. Removed, Cleaned and Inspected spark plugs, rotated and reinstalled. Ground run Good.</p> <p>AD's current thru Bi-weekly 2021-25 no new.</p> <p>I certify that this Engine has been inspected IAW a 100 HR Inspection and has been determined to be in an AIRWORTHY condition with respect to the work performed.</p> <p>W/O# 21-0149  Hal C. Howard 2777703AP/IA</p>					
<p>Corvallis Maintenance Service 5695 SW Airport Place Corvallis, OR. 97333 N47490 Piper PA28-161 S/N 7816082 TACH: 3498.7 DATE: 6/2/2022</p> <p>Sealed Leaking Oil temp sensor.</p> <p>I certify that this Engine is in an airworthy condition with respect to the work performed.</p> <p>W/O# 22-052  Hal C. Howard 2777703AP/IA</p>					

Page Total: _____

Brought Forward: _____

Total to Date: _____

All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number **MUST** be shown.

Serial # _____

Page Total: _____

Brought Forward:_____

Total to Date:_____

All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.