

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

Duplicate Issued 05-JAN-2017

New Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

LYCOMING

Part Number ENPL-9925
Serial Number L-19200-39A
Engine Model O-320-D2A
Work Order LT109484
Total Time 0

Low L. Adams

29-FEB-00

Authorized Representative

Date

Production Certificate #3

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

Form 777C Rev 05/13

TEXTRON**Lycoming**

Subsidiary of Textron Inc.

652 Oliver Street
Williamsport, PA 17701 U.S.A.**AIRWORTHINESS DIRECTIVE COMPLIANCE LIST**

2/29/00

Engine Model No: O-320-D2A

Engine SN: L-19200-39A

Page 1 of 2

AD NO. / SB	RV RV	Description / Method of Compliance	Next Due	Once	Rec	Code	Sign
55-02-02 176		IMPROPER ACCY ADAPTER GASKET PROPER GASKET INSTALLED	N/A	X		1 (46)	
59-10-07 254		CYLINDER BAFFLE CLAMPS BAFFLE HOOKS INSTALLED	N/A	X		1 (46)	
63-23-02 293	B	INSP EXHAUST VALVES, INSTALL NEW CAMSHAFTS INSTALLED NEW PARTS	N/A	X		1 (46)	
64-16-05 298		AC FUEL PUMP OIL SEAL NEW CONF. FUEL PUMP INSTALLED	N/A	X		1 (46)	
66-20-04 307		OIL FILTER ADAPTER GASKET NEW CONF. GASKET INSTALLED	N/A	X		1 (46)	
73-23-01 367	F	INSP FOR CRACKS IN PISTON PINS INST NEW PARTS	N/A	X		1 (46)	
77-07-07 407	A	OIL LEVEL GAGE ASSEMBLIES INSTALLED PERFORATED SLEEVE	N/A	X		2	
77-20-07 424		HYDRAULIC TAPPET REPLACEMENT NEW P/N INSTALLED	N/A	X		2	
78-12-08 423		OIL PUMP INSPECTION AND IMPELLER REPLACEMENT NEW P/N INSTALLED	N/A	X		2	
78-12-09 422	A	CRANKSHAFT ASSEMBLY REPLACEMENT NEW P/N INSTALLED	N/A	X		2	
78-23-10 428		BENDIX FUEL INJ. BULLETIN RS-42 NEW P/N INSTALLED	N/A	X		2	
79-04-05 433	A	BENDIX FUEL INJ. BULLETIN RS-57 NEW P/N INSTALLED	N/A	X		2	
79-10-03 1380	R2	ENGINE MOUNT TORQUE FIELD COMPLIANCE	100 HOURS	X		2	
80-04-03 435	R2	REPLACEMENT OF UPPER EXH. SPRING SEAT & HYD LIFTER NEW P/N'S INSTALLED	N/A	X		2	
80-04-03 446	R2 C	OIL ADDITIVE DRY SUMP DELIVERED	WHEN OIL INST.		X	2	
80-14-07 447	B	INSPECTION OF UPPER EXH. VALVE SPRING SEATS PART W/CURVED P/N INSTALLED	N/A	X		2	
87-10-06 477	R1 A	INSPECTION AND REWORK OF LW-18790 ROCKER ARM ASSY NEW CONFIGURATION P/N INST.	N/A	X		1 (46)	
90-04-06 488	R1 A	PROPELLER GOVERNOR LINE SUPPORT NEW LINE W/STEEL CON. NUTS INS	N/A	X		1 (46)	
90-04-06 488	R1 A	PROPELLER GOVERNOR LINE SUPPORT NEW LINE W/STEEL CON. NUTS INS	N/A	X		2	
91-14-22 475	B	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW P/N INSTALLED	N/A	X		1 (46)	

Codes:

- 1 AD Applicable to Engine
- 2 AD Not Applicable to Engine



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Engine Model No: O-320-D2A

Engine SN: L-19200-39A

Page 2 of 2

AD NO. / SB	RV RV	Description / Method of Compliance	Next Due	Once	Rec	Code	Sign
92-12-05 501	B	LW-14077 PISTON PIN NEW PARTS INSTALLED	N/A	X		1	(46)
93-11-11 N/A		AC, TEXTRON LYC FUEL PUMP O/H BY AERO ACCESSORIES NEW AC F/P INST. WHEN APPLIC.	N/A	X		1	(46)
93-18-03 498	B	ONE PIECE VENTURI NEW CONFIGURATION CARBURETOR	N/A	X		1	(46)
93-19-04 504		CARBURETOR O/H BY CONSOLIDATED NEW CARB. / PRECISION FLOAT	N/A	X		1	(46)
94-01-03 N/A	R2	DEFECTIVE IGN COILS AND ROTATING MAGNETS NEW CONFIGURATION PART INST.	N/A	X		1	(46)
94-06-09 517		INCOMPLETE INTERNAL GROUNDING ON MAG CAPACITORS NEW CONF. CAPACITORS INSTALLED	N/A	X		1	(46)
95-26-02 398		ENGINES OPERATED WITH LOW OCTANE FUEL ENGINE REBUILT AT MANUFACTURER	N/A	X		1	(46)
96-09-10 524		REPLACEMENT OF OIL PUMP IMPELLERS STEEL IMPELLERS INSTALLED	N/A	X		1	(46)
97-15-11 527	C	RECALL OF PISTON PIN P/N LW-14077 NEW CONFIGURATION P/N INST.	N/A	X		1	(46)
98-02-08 505	B	INSPECTION OF CRANKSHAFT ID FOR CORROSION MAG INSP./APPLY URETHABOND 104	DISASSY/10 YRS		X	1	(46)
98-17-11 N/A		CRANKSHAFT REPAIRED BY NELSON BALANCING SERVICE MAG/PARTICLE INSP OF C/SHAFT	N/A	X		2	

Codes:

- 1 AD Applicable to Engine
- 2 AD Not Applicable to Engine



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652 Oliver Street
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RECORD of ACCESSORIES
AND
MAJOR PARTS SHIPPED with ENGINE

Model No: O-320-D2A

Serial No: L-19200-39A

Enpl: ENPL-9925

Order No: LT109484

TC No: 274

Date: 2/29/00

Part Name	Part Number	Manufacturer	Serial	Setting
CARBURETOR	72394	PAM	75098223	10-3678-32
INJECTOR		PAM		
LT ALTERNATOR		ESI		
RT ALTERNATOR	32C19553	ESI	A016833	
MAGNETO LEFT	66GC25SFNN	SLICK	00012707	
MAGNETO RIGHT	66GP-OSANN	SLICK	00010578	
MAGNETO DUAL				
LASER IGN CONT.		SLICK		
STARTER	31B22105	SKY-TEC	F4L-640023	
FUEL PUMP	LW-15472	LYCOMING	N/A	
IGN HARNESS L	67P20429	SLICK		
IGN HARNESS R	67P20428	SLICK		
LASER IGN HARNESS		SLICK		
SPARK PLUG	1182-E7	CHAMPION		
LT TURBOCHARGER				
RT TURBOCHARGER				
BYPASS VALVE				
DENSITY CONTR.				
PRESS. CONTR.				
AB PRESS REL.				
#1 INTERCOOLER		NIAGRA DEV.		
#2 INTERCOOLER		NIAGRA DEV.		

All accessories listed are 0 (zero) time since New or 0 (zero) time since Overhaul.

All accessories are new unless part number is succeeded by -85.

Cylinders: Plain Steel

Nitrided Barrels (Blue)

(46)

C of A Issued

Date

3/1/00

NOTE: Form to be used on all New, Overhauled, Remanufactured Engine Models.



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N81916

Engine Manufacturer Lycoming

Model O-320-D2A

Serial No. L-19200-39A

Date installed on aircraft 21 July 2021

Time Between Overhauls (TBO) 0 Hours

If used on multi-engine aircraft:

- | | |
|---|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input checked="" type="checkbox"/> Front | <input type="checkbox"/> Rear |

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

P.O. Box 1359 / Southold, NY 11971-0965

(631) 765-9375

1-800-235-6444

FAX: (631) 765-9359

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Airplane Repair Inc Gillespie Airport 1965 N Marshall Ave El Cajon CA 619-940-8310				
21 Jul 21				<p style="text-align: center;">Lyc O-320-D2A N81916</p> <p style="text-align: center;">Tach 8185.3 TTSN 0.0 s/n L-19200-39A PA-28-161</p> <p>-Removed O-320-D3G engine, installed O-320-D2A engine with new engine rubber mounts after Engine complete disassembly, measured, inspected and reassembled using the following new parts, 8x SL78027 con rod bolts, 8x SL12186 con rod nuts, 1x SLSTD1211 crank plug -serviced with Aeroshell D100 -installed carburetor MA-4SPA sn MSC38213 ovh by LyCon -installed new baffling -installed one Slick 4300 sn 01071315 magneto ovh by Aero Accessories and one Surefly SIM4P electronic magneto see Form 337 for details I certify that this Engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition and returned to service. All work accomplished iaw current FAA regulations and manufacturer's maintenance instructions Stefan A Uerguen A&P 2451974 IA</p> <p style="text-align: right;"><i>Stefan A Uerguen</i></p>
Airplane Repair Inc Gillespie Airport 1965 N Marshall Ave El Cajon CA 619-940-8310				
10 Aug 21				<p style="text-align: center;">Lyc O-320-D2A N81916</p> <p style="text-align: center;">Tach 8202.3 TTSN 17.0 s/n L-19200-39A PA28-161</p> <p>-changed oil with filter, no metal found, serviced engine with Aeroshell Type W100plus -ran up satisfactory The Engine is returned to service with respect of work being performed. All work accomplished iaw current FAA regulations and manufacturer's maintenance instructions Stefan A Uerguen A&P 2451974 IA</p> <p style="text-align: right;"><i>Stefan A Uerguen</i></p>
<p>Advanced Aircraft Service 8622 Gibbs Dr. San Diego, CA. 92123 858-560-7599 Fax 858-560-7507 CESSNA SERVICE CENTER</p> <p style="text-align: center;">ENGINE LOG</p> <p>Piper PA28-161 N81916 S/N: 28-8016311 Tach: 187.6 TTAF: 8346.2 10-25-2021</p> <ul style="list-style-type: none"> • Changed the oil and filter with 6 quarts of Aeroshell 15/50 and a CH48110-1 filter. • Removed and cleaned the oil suction filter and installed with a new AN900-16 crush washer. <p>Michael Koontz <i>Michael Koontz</i> A/P 3799094 I/A</p>				
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
11/22/21	8415.6	8415.6		Changed oil and filter using 6 qts of Aeroshell 15W50 & Champion CH48110-1. Ground check OK. R. Giron 3725178 CSEL / OWNER <i>[Signature]</i>
12/21/21	8470.8	8470.8		Changed oil w/ 6 qts of Aeroshell 15W50. Replaced oil filter w/ CH48110-1. Ground check OK. R. Giron 3725178 CSEL / OWNER <i>[Signature]</i>
01/29/22	8524.6	8524.6		Changed oil w/ 6 qts of aeroshell 15W50. Replaced oil filter w/ CH48111-1. Ground check OK. R. Giron 3725178 CSEL / OWNER <i>[Signature]</i>

Advanced Aircraft Service
 8622 Gibbs Dr.
 San Diego, CA. 92123
 858-560-7599 Fax 858-560-7507
CESSNA SERVICE CENTER

Date: February 4, 2022 N#: 81916 Model: PA-28-161 S/N: 28-8016311
 Tach: 401.5 Flight hrs: 8529.5 Hobbs: 695.2 Engine Model: O-320-D2A
 Engine Serial: L-19200-39A

Installed repaired magneto from Aero accessories 16152 Valerio ST Van Nuys CA 91406 repair station #: XB2R286L W/O#: 54018, Mag P/N: 4370 S/N: 04050899 on the r/h (co-pilot) side using a new gasket that was provided with the repaired magneto, timed to engine, performed ground run-up and was found to be satisfactory at this time. All work was performed in accordance with all current applicable service manuals. I certify the work accomplished to be airworthy at this time and return to service.

Jerman Isac Ramos

[Signature]

A&P: 3818250

-END-

02/26/22	8580.2	8580.2		Changed oil and filter using 6 qts of Aeroshell 15W50 and Champion CH48111-1. Ground check OK. R. Giron 3725175 ATP / OWNER.
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SUB-TOTALS this page

TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<p>Airplane Repair Inc Gillespie Airport 1965 N Marshall Ave El Cajon CA 619-940-8310</p>				
5 Apr 22				<p>Lyc O-320-D2A N81916</p>
Tach 8643.4		TTSN 458.1	s/n L-19200-39A	PA-28-161
<p>-100h Inspection per Piper 28 Service Manual -changed oil with filter, no metal found, serviced with W100plus -compression tested 78, 76, 72r, 76 over 80psi -gapped and rotated all spark plugs -washed engine down -RH magneto removed, installed 500h inspected 4370 mag sn 04050899 by Aero Accessories -Installed new Brackett Airfilter I certify that this Engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition and returned to service. All work accomplished iaw current FAA regulations and manufacturer's maintenance instructions Stefan A Uerguen A&P 2451974 IA</p> <p style="text-align: right;"><i>Stefan A Uerguen</i></p>				
05/05/22	8715.4	614.6	8715.4	<p>Changed oil using 6qts of Phillips 20W50 iaw service manual. Ground run up OK R. Giron /owner 3725178 ATP</p>
05/25/22	8765.2	664.4	8765.2	<p>Changed oil using 6qts of Phillips 20W50 iaw MX service manual. Ground run up OK R. Giron/owner 3725178 ATP</p>
06/29/22	8813.0	712.2	8813.0	<p>Changed oil using 6qts of Phillips 20W50 iaw mx service manual. Ground run up OK R. Giron /owner 3725178 ATP</p>
09/21/22	8911.4	810.6	8911.4	<p>Changed oil using 6qts of Aeroshell 15W50 iaw mx svc manual. Ground run up OK R. Giron /owner 3725178 ATP.</p>
11/20/22	8989.6	888.8	8989.6	<p>Replaced oil using 6qts of Aeroshell 15W50 & CH48111-1 filter iaw mx service manual. Ground run up OK R. Giron /owner 3725178 ATP</p>
3/11/23	9096.9	796.1	9096.9	<p>Replaced oil using 6qts of Aeroshell 15W50 & CH48111-1 filter in aw mx service manual. Ground run up OK R. Giron /owner 3725178 ATP</p>
				<p>SUB-TOTALS this page</p>
				<p>TOTALS-Carry forward to next page</p>



360 Victory Aviation

MAINTENANCE

1987 N. Marshall Ave. Suite 109
El Cajon, CA 92020

JRK

Manufacturer: Lycoming
Model: 0-320-E3D
SER: L-34888-27A

12 MAY 2023
Tach: 9,176.9
TSMO: 991.6

This Engine on N81916 Was Inspected I.A.W. Cessna Piper Maintenance Manual 100 Hour Checklist.
Oil was Replaced with 6 Qt's Aeroshell 100 Mineral Oil, Oil Filter was Replaced CH48111-1. Cut Old Oil Filter Nothing to Note.
Replaced Cylinder #4 with New Cylinder provided by Customer; Replaced Piston Wrist Pin Cap P# 60828,
Removed Cylinder #2 and replaced new Cylinder Base O-ring P# 71481, Lycoming Thrust Button Rocker Shaft X2 P# LW-12892,
4 Cylinder Rocker tube lock tabs P# LW-12272, Oil Dipstick Gasket P# 77808, Valve Cover Gaskets P# RG-75906,
Push Tube Seals Green P# 70310, Orange P# 62922, 4 Intake Gaskets Superior P# SA629925,
4 Intake Hoses P# 69603, 8 Intake Clamp P# QS200-28H, 4 Oil Return Lines P# STD-2180,
8 Spark Plug Gaskets P# AN4027-1 Reamed Exhaust Valves Guides #1, #2, #3.
Removed Exhaust and Sent to Custom Aircraft for a Full Overhaul, Replaced with New Exhaust gasket P# 65321,
8 Exhaust Lock Washer P# AN935C516, 4 Exhaust Washer P# AN960-516, 8 Exhaust Nuts P# STD-1410.
Run-Up Is Good. Test flight is Satisfactory.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WITH CURRENT MAINTENANCE RULES OF 14 CFR IT IS FOUND TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED TO RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

Date: 12 MAY 2023
Victor Avalos A&P38154671A

Signed: _____

6/21/23	9218.50	1117.7	9218.5	Changed oil using 6qts of Aeroshell 15W50 & CH48111-1 Filter 1AW - mx svc manual. Ground run up OK R. Giron/owner 3725178 ATP
7/22/23	9287.0	1186.2	9287.0	Changed oil using 6qts of Aeroshell 15W50 1AW mx svc manual Ground run up OK R. Giron/owner 3725178 ATP
8/18/23	9337.2	1236.4	9337.2	Changed oil using 6qts of Aeroshell 15W50 & ch 48111-1 filter 1AW mx svc manual. Ground run up OK R. Giron/owner 3725178 ATP
9/9/23	9406.8	1300.0	9400.8	Changed oil using 6qts of Aeroshell 15W50 & ch 48111-1 filter 1AW mx svc manual. Ground run up OK R. Giron/owner 3725178 ATP
10/13/23	9490.5	1389.7	9490.5	Changed oil using 6qts of Aeroshell 15W50 & ch 48111-1 filter 1AW mx svc manual Ground run up OK R. Giron/owner 3725178 ATP
11/4/23	9534.0	1433.2	9534.0	Changed oil using 6qts of Aeroshell 15W50 & CH48111-1 Filter 1AW mx svc manual. Ground run up OK R. Giron/owner 3725178 ATP
11/25/23	9589.5	1488.7	9589.5	Changed oil using 6qts of Aeroshell 15W50 & ch 48111-1 filter 1AW mx svc manual. Ground run up OK R. Giron/owner 3725178 ATP
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
12/14/23	9641.6	1540.6	9641.6	Changed oil using 6 qts of Aeroshell 15W50 & CH48111-1 Filter 1AW svc manual. Ground run up ok. R. Giron / 3725178 ATP - Owner
01/09/24	9694.6	1593.8	9694.6	Changed oil using 6 qts of Phillips 20W50 & CH48110-1 Filter 1AW svc manual. Ground run up ok R. Giron / 3725178 ATP OWNER
02/02/24	9747.9	1647.1	9747.9	Changed oil using 6 qts of Phillips 20W50, CH48111-1 Filter, replaced all 8 spark plugs with new Tempest UREM385 fine wire 1AW svc manual. Ground run up ok. R. Giron / 3725178 ATP / OWNER

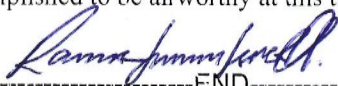
Advanced Aircraft Service
8622 Gibbs Dr.
San Diego, CA. 92123
858-560-7599 Fax 858-560-7507
CESSNA SERVICE CENTER

OLD ENTRY

Date: July 28, 2023 N#: 81916 Model: PA-28-161 S/N: 28-8016311
 Tach: 1284.5 Flight hrs: 9300.5 Hobbs: 1720.5 Engine Model: Engine Serial:

Installed (owner supplied) serviceable Surfly magneto P/N: SIM4P S/N: 4P-0423025. Installed new 10 amp fuse to inline fuse holder on the power wire of the Surfly electrical system and new nipple P/N: MS25171-1S for power wire ring terminal protection. Performed ground run-up, checked for proper mag drop and was found to be satisfactory at this time. All work was performed in accordance with all current applicable service manuals. I certify the work accomplished to be airworthy at this time and return to service.

Jerman Isac Ramos



A&P: 3818250

 END

3/18/24	9806.50	1705.7	9806.50	Changed oil using 6 qts of Phillips 20W50 & CH48110-1 Filter 1AW svc manual. Ground run up ok. R. Giron / 3725178 ATP owner
4/10/24	9860.7	1759.9	9860.7	Changed oil using 6 qts of Phillips 20W50 & CH48110-1 Filter 1AW svc manual. Ground run up ok R. Giron 3725178 ATP / owner

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