

THE
adlog

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

~~XXXXXXXXXX~~
L-10451-39A
0-320-D2J

**ENGINE
MAINTENANCE
RECORDS**

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 02-14-20 T-0005.1
0-320 S/N L-10451-39A H-1591.2
ETT: UKN ETSMOH: 300.9

Removed all 4 avco lycoming cylinders due to internal wear. Installed 4 new millennium cylinders and pistons from Superior Air Parts. #1 cylinder s/n C-20390E, #2 cylinder s/n C-20288E, #3 cylinder s/n C-20136D, #4 cylinder s/n C-201370.

All work performed I/A/W Aircraft M/M and O/H/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 02-13-20 T-0005.1
0-320 S/N L-10451-39A H-1591.2
ETT: UKN ETSMOH: 300.9

Performed SEL-74-06 {Impulse coupling stop pin inspection} Found current installed magnetos not affected by serial number.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 05-22-20 T-0006.6
0-320 S/N L-10451-39A H-1614.9

Removed oil cooler P/N 8000075 and installed a overhauled oil cooler P/N 8406R.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 06-16-20 T-0006.6
0-320 S/N L-10451-39A H-1614.9

Fuel mixture will not adjust lean at idle rpm and possibly caused engine oil temperature to hot. Removed and installed an overhauled carburetor P/N 10-5217, S/N MS729707.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 08-03-20 T-0007.2
0-320 S/N L-10451-39A H-1615.8

Engine removed and sent to Aircraft Engine Specialists for an oil system evaluation due to high oil temperature. All oil systems checked were normal. High oil temperature could not duplicate. Cooling performance is consistent with other motors ran on test cell. Reinstalled original engine s/n L-10451-39A.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 09-10-20 T-0007.2
0-320 S/N L-10451-39A H-1615.8
ETT: UKN ETSMOH: 303.0

Performed SB15-4A (Magnet distributor gear inspection). Found service bulletin previously complied with during 500 hour inspection.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 07-08-20 T-0007.2
0-320 S/N L-10451-39A H-1618.7

Engine removed for troubleshooting high oil temperature. Sent engine to Aircraft Engine Specialist Chandler Az. For test stand analysis. Engine performance analysis report results showed the performance values were all normal. Cylinder #3 was honed out due to glazed wall and reinstalled. Installed original engine.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

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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
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SOUTHWEST FLIGHT CENTER

ENGINE

N65497 09-10-20 T-0009.2
0-320 S/N L-10451-39A H-1618.7

Vacuum pump removed and installed an overhauled vacuum pump p/n 215CC.

All work performed I/A/W aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

AIRCRAFT

N65497 09-11-20 T-0007.2
S/N 17274869 H-1618.4

Removed oil pressure / temperature cluster gage. Installed a new oil pressure / temperature (OPT-1) instrument s/n 245794 I/A/W STC SA5925NM.

All work performed I/A/W Installation kit OI 0520911 Rev. C 10-08-97.

Sign: [REDACTED] Print: Jose L. Bandin
Cert AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 11-03-20 T-0031.3
0-320 S/N L-10451-39A H-1648.7

Complied with engine oil change. Drained oil, installed new oil filter p/n 48110-1 and serviced with 7 qts. W100 oil.

All work performed I/A/W Aircraft M/M.

Sign: [REDACTED] Print: Jose L. Bandin
Cert: AP [REDACTED]

SOUTHWEST FLIGHT CENTER

ENGINE

N65497 01-21-2021 T-0101.4
0-320-D2J H-1748.6
S/N L-10451-39A ETT: UKN ETSMOH: 403.8

Removed propeller and replaced crankshaft seal; installed and safetied propeller. Drained oil; cut and inspected filter, no significant contamination noted. Serviced with 6 quarts Aeroshell 100W oil and installed new oil filter, P/N: CH48110-1.

I certify that this Engine has been inspected as part of an aircraft Annual Inspection and was determined to be in Airworthy Condition.

Sign: [REDACTED] Scott Cash
Cert: A&P [REDACTED]

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



Christiansen Aviation, Inc.

Date: 1-15-2019 Engine: O-320-D2J S/N: L-10451-39A TSMO: 0.0 ETT: UNKNOWN

Disassembled engine for routine overhaul. Sent all steel to Rick romans work order #53206, 160343. Sent crank case to crank case services, INC for inspection WO#29452. Engine was overhauled IAW Lycoming Direct Drive Overhaul Manual 60294-7 for replacement of all mandatory parts, installed four new AEL cyl kits PN: TISN041CA, installed new rod bearings standard and main bearing MO3, and installed repaired steel. Engine was test ran IAW Lycoming Direct Drive Overhaul Manual all temps and pressures were within tolerance and no leaks were found. All pertinent Service bulletins, Service Instructions, and Airworthiness Directives were complied with, CW AD 96-09-10C by installation of carburized and nitrided oil pump gears and shaft no further action req, CW AD 2004-10-14C by inspection of crankshaft gear recess, dowel, crank gear, installing and torquing new crank gear bolt to 204inlb and locking retainer due again at sudden stoppage or prop strike, and CW AD 2015-19-07 by inspection of fuel injection lines and clamps due 110hr Tach. AD 6328 does not apply to this engine. All other AD's complied with to date see AD compliance sheet dated 1/15/2019. I certify this engine is in Airworthy condition and ok for return to service.

Jared Hale A&P

CHRISTIENSEN AVIATION INC

January 16, 2019 O-320-D2J S/N L-10451-39A TACH 976.7 TT ? TSMO 0.0

Installed overhauled engine on aircraft N65497 S/N 17275765 using new lord mounts, lock nuts, hose kit from PHT INV# 606114, Rebuilt magnetos P/N 4371 S/Ns 13110450 and 13110451. Installed original vacuum pump, oil cooler, alternator, and muffler, reinstalled propeller IC160/DTM7557 S/N CK079 previously removed to facilitate engine removal. Engine was serviced with 7QTS Phillips 20W50 anti rust oil and pre-oiled, Test ran engine and all operations checked OK, no leaks were noted at this time. All above mentioned work was done I/A/W manufacturers service manual and this aircraft is OK for return to service in regards to work performed. I certify that this engine was inspected I/A/W a 100HR inspection per 14 CFR 43 appendix D and was determined to be in an airworthy condition for return to service

Charles Westover

AP

SOUTHWEST FLIGHT CENTER

N65497
0-320 S/N L-10451-39A
ENGINE
03-28-28 198
T-1067.5
H-1307.4

Performed an Annual/100Hr Inspection Per SWFC Inspection Checklist 14CFR Part 43 Appendix D and C-172 A/M/M. Drained oil, opened, and inspected, serviced 8 qts of W100 and installed oil filter P/N CH48111-1. Compressions: #1 73/80, #2 66/80, #3 74/80, #4 77/80. AD's reviewed as of March 2019.

I Certify that this Engine was inspected I/A/W a 100 hour Inspection and was determined to be in Airworthy Condition at this time.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

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SOUTHWEST FLIGHT CENTER

ENGINE
N65497 06-01-19 T-1167.0
0-320 S/N L-10451-39A H-1444.3

Performed and a 100 hour Inspection Per SWFC Inspection Checklist 14CFR Part 43 Appendix D and C-172 A/M/M. Drained oil, opened, and inspected, serviced 7 qts of W100 and installed oil filter P/N CH48111-1. Compressions: #1 78/80, #2 72/80, #3 78/80, #4 78/80. AD's reviewed as of March 2019.

I Certify that this Engine was inspected I/A/W a 100 hour Inspection and was determined to be in Airworthy Condition at this time.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

SOUTHWEST FLIGHT CENTER

ENGINE
N65497 08-15-19 T-1264.6
0-320 S/N L-10451-39A H-1577.1

Performed and a 100 hour Inspection Per SWFC Inspection Checklist 14CFR Part 43 Appendix D and C-172 A/M/M. Drained oil, oil filter opened, and inspected, serviced 7 qts of W100 and installed oil filter P/N CH48110-1. Compressions: #1 78/80, #2 78/80, #3 78/80, #4 78/80. AD's reviewed as of August 2019.

I Certify that this Engine was inspected I/A/W a 100 hour Inspection and was determined to be in Airworthy Condition at this time.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

SOUTHWEST FLIGHT CENTER

ENGINE
N65497 09-05-19 T-1272.3
0-320 S/N L-10451-39A H-1588.3

During climb oil temperature read max on indicator. Troubleshoot system. Replaced sending unit with new, P/N 3080-37.

All work performed I/A/W Acft M/M.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

SOUTHWEST FLIGHT CENTER

ENGINE
N65497 09-05-19 T-1272.3
0-320 S/N L-10451-39A H-1588.3

Removed and replaced oil cooler P/N 8000075.

All work performed I/A/W Acft M/M.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

SOUTHWEST FLIGHT CENTER

ENGINE
N65497 10-25-19 T-1273.7
0-320 S/N L-10451-39A H-1590.8

During climb oil temperature read max on indicator. Replaced the vernaterm, adjusted the oil pressure relief valve, overhauled the oil pressure cluster and resealed the oil filter adapter to the vernaterm.

All work performed I/A/W A/M/M.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

SOUTHWEST FLIGHT CENTER

ENGINE
N65497 10-28-19 T-1274.0
0-320 S/N L-10451-39A H-1591.2

Aircraft tachometer tach drive is worn causing a 300 rpm erratic reading below 1800 rpm. Removed tachometer P/N SL1010-55001-13-N00 with 1274.0 hours tach reading. Installed a serviceable tachometer P/N D1-112-5025 with a current reading of 1.5 hours.

All work performed I/A/W Acft M/M.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

SOUTHWEST FLIGHT CENTER

ENGINE
N65497 02-13-20 T-0005.1
0-320 S/N L-10451-39A H-1591.2

ETT: UKN ETSMOH: 300.9

Performed and a 100 hour Inspection Per SWFC Inspection Checklist 14CFR Part 43 Appendix D and C-172 A/M/M. Drained oil, oil filter opened, and inspected, serviced 7 qts of 100 mineral oil and installed oil filter P/N CH48110-1. New cylinders installed. Installed new spark plugs. AD's reviewed as of Feb 2020.

I Certify that this Engine was inspected I/A/W a 100 hour Inspection and was determined to be in Airworthy Condition at this time.

Sign: [Redacted] Print: Jose L. Bandin
Cert: AP [Redacted]

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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility (See back cover for details)
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YEAR 20 DATE



Christiansen Aviation Inc. [REDACTED]

W.O# 12567

DATE: 4/7/2022 N65497 S/N: 17275765 TACH: 510.0 ACTT: 14606.6

WORK PERFORMED: Replaced window latches and window props/springs. Replaced rear window repaired crack in co-pilots door by lower hinge. Repaired crack in lower wing skin at inboard trailing edge. Replaced lower hinge points on rudder.

AD's, SB's, and FAR's complied with: All applicable AD's complied with to date.

ELT BATTERY DATE: March 2031

I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION as per 14 CFR 43 appendix D. It has been determined to be in an airworthy condition and has been approved for return to service.

Greg Harrigill AP [REDACTED] IA [REDACTED]