

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N57055

Engine Manufacturer TELEDYNE-CONTINENTAL

Model T510-360 LB (1)

Serial No. 316004

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

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



AEROTECH PUBLICATIONS INC.

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(631) 765-9375
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DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIME

TOTALS brought forward from previous page

8-26-7

247.8 247.8

280.0 280.0

DRAINED OIL REPLACED Filter
P/N CH 48-108-1. SERVICED WITH
8 qts OF AEROSHELL 15W-50. OIL
SAMPLE TAKEN SENT TO LAB FOR
ANALYSIS Bob Blafornere

11-12-07

Complied with Annual inspection. changed oil + filter.
Inspected old filter element. oil sample taken + sent to Lab for
serviced with Phillips 20W50XC. Cleaned fuel injectors
nozzles. c/w 500 hrs. inspection of left + right mag.
compressor: #1-70/80 #2-50/80 (rings only, no valve leaks,
metered orifice reading 44/80) #3-68/80 #4-75/80 #5-75/80
#6-74/80. A.D.'s checked through 2007-23. All work
accomplished IAW manufacturer's maintenance manuals
and FAR 43 appendix D.

ARIZONA AIR-CRAFTSMAN, PRESCOTT, ARIZONA

I certify that this engine has been inspected in
accordance with a annual inspection and was
determined to be in airworthy condition.

WO# 18417

Eng. SMOH 312.6

Prop SMOH UNK

Tach Time 312.6

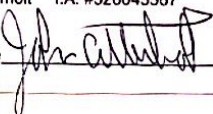
Aircraft Total Time 2371.3

Engine Total Time 2371.3

John Atterholt I.A. #526045567

Date: 11-12-07

Signature



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DATE

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TIME
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TIME
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RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

3/2/2009

Engine Total Time: 2530.3 TSMOH: 471.5 Tach: 471.5

Exhaust port erosion beyond limits on all cylinders caused by leaking warped exhaust manifold. Installed engine top overhaul kit which included all seals and gaskets IAW Continental Service Manual. Cleaned engine fuel injectors and replaced all engine fuel system seals. Installed overhauled engine exhaust manifold and overhauled engine turbocharger. Repaired cracked exhaust muffers. Replaced # 4 EGT probe and # 2 CHT probe. Installed new engine spark plugs. Drained oil, replaced oil filter and replenished with 8 quarts Phillips XC 20W50. Performed initial engine ground run for top end break-in and checked for leakage. This engine has been inspected IAW an annual /100 hour inspection and found to be airworthy at this time. Return to service 8130 tags are included with these records and list of parts is as follows:

| | | | |
|----|-------------|--------|---|
| 1 | S2334-3 | IE0802 | Probe CHT |
| 1 | 2870 123485 | | Probe EGT |
| 12 | RHM38E | Plugs | Champion Aerospace |
| 1 | CH48108-1 | | Oil Filter |
| 1 | EQ7096 | | Top O/H Kit (TCM 6-PK) |
| | | | Cyl serial #'s C63424, C63425, C63426, C63427, C63428, C63429 |

| | | | |
|---|--------------|--------------|-----------------------|
| 1 | 642220-905-1 | Elbow | O/H Aerospace Welding |
| 1 | Cross ASSY | Cross Assy | O/H Aerospace Welding |
| 1 | 642220-102 | Cyl #2 Riser | Aerospace Welding |
| 1 | 642220-103 | Cyl #3 Riser | Aerospace Welding |
| 1 | 642220-104 | Cyl #4 Riser | Aerospace Welding |
| 1 | 642220-902-2 | Cyl #5 Riser | Aerospace Welding |
| 1 | 642220-106 | Cyl #6 Riser | Aerospace Welding |

| | | | |
|---|------------|----------|---------------------------------|
| 1 | CF600573-0 | ZBN30902 | Rajay Turbocharger (overhauled) |
|---|------------|----------|---------------------------------|

James G. [Signature] 28337wrt

3/13/2009 Engine Total Time: 2540.3 TSMOH: 481.5 TSTOH: 10.0 Tach: 481.5

Drained engine oil, replaced oil filter Champion PN CH48108-1 and replenished with 8 quarts Phillips XC 20W50. Ran engine and checked for leaks.

RR [Signature] 2835988
At#

| 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 | | | | |
| 3/1/2010 | Engine Total Time: 2655.8 | TSMOH: 597 | TSTOH: 125.5 | |
| Tach: 597 | | | | |
| <p>Drained oil replaced oil filter PN CH48108-1 and replenished with 8 quarts Phillips XC 20W50. Removed spark plugs, cleaned regapped and re installed. Performed compression checks, cyl #1 70/80, #2 62/80, #3 68/80, #4 71/80, #5 72/80, #6 72/80. Washed engine performed engine run up and checked for leaks. This engine has been inspected IAW an annual /100 hour inspection and found to be airworthy at this time.</p> <p><i>Jim Asur 283370014</i></p> | | | | |
| 1-26-11 | 2718.8 | 660.0 | 660.0 | <p>DRAINED OIL REPLACED Filter P/N CH 48-108-1. SERVICED WITH 8 QTS OF PHILIPS 20W-50XC OIL SAMPLE TAKEN AND SENT TO LAB ONE.</p> |
| 3/31/2011 | Engine Total Time: 2718.8 | TSMOH: 660 | TSTOH 188.5 | Tach: 660 |
| <p>Drained oil replaced oil filter PN CH48108-1 and replenished with 8 quarts Phillips XC 20W50. Removed spark plugs, cleaned regapped and re installed. Performed compression checks while engine hot after run up, cyl #1 76/80, #2 74/80, #3 76/80, #4 74/80, #5 76/80, #6 74/80. Adjusted Mag timing to within specs. Repaired wiring for #4 EGT indication. Inspected intake air filter, repaired engine baffling and air intake mounting. Washed engine performed engine run up and checked for leaks. This engine has been inspected IAW an annual /100 hour inspection and found to be airworthy at this time.</p> <p><i>Jim Asur 283370014</i></p> | | | | |
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3/31/2011 Engine Total Time: 2760.3 TSMOH: 701.5 Tach: 701.5
TSTOH: 230.0

Complied with annual inspection IAW FAA part 43 appendix D and manufacturers maintenance manual. Drained oil replaced oil filter PN CH48108-1 and replenished with 8 quarts Phillips XC 20W50. Cut open filter for inspection, no metal found. Replaced all fuel and oil lines forward of engine fire wall. Removed spark plugs, cleaned regapped and re installed. Performed compression checks, cyl #1 74/80, #2 74/80, #3 72/80, #4 72/80, #5 76/80, #6 72/80. Adjusted Rt Mag timing to within specs. Reviewed all AD's 2011-13-03 N/A due to this model not installed, 2011-26-07 N/A due to serial number. Inspected intake air filter, repaired engine baffling and air intake mounting. Washed engine performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time.

R. Lubick AIP/IA 2835988

4/12/2013 Engine Total Time: 2778.0 TSMOH: 719.2 Tach: 719.2
TSTOH: 247.7

Complied with annual inspection IAW FAA part 43 appendix D and manufacturers maintenance manual. Drained oil replaced oil filter PN CH48108-1 and replenished with 8 quarts Phillips XC 20W50. Cut open filter for inspection, no metal found. Removed spark plugs, cleaned regapped and re installed. Performed compression checks on hot engine, cyl #1 76/80, #2 76/80, #3 74/80, #4 74/80, #5 73/80, #6 72/80. Checked Mag timing. Reviewed all AD's for compliance. Inspected intake air filter, Washed engine performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time.

R. Lubick 2835988
AIP/IA

9-11-14

740D DRAINED OIL & REPLACED
Filter CHAMPION CH48108-1
8QTS PHILLIPS
20W-50XC

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TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

5/03/2014 Engine Total Time: 2811.4 TSMOH: 752.6 Tach: 752.6
TSTOH: 281.1

Complied with annual inspection IAW FAA part 43 appendix D and manufacturers maintenance manual. Removed spark plugs, cleaned regapped and re installed. Performed bore scope and compression checks on hot engine, cyl #1 76/80, #2 75/80, #3 73/80, #4 73/80, #5 70/80, #6 75/80. Checked Mag timing. Reviewed all AD's for compliance through 13-21-02. Fuel servo AD 2012-03-06 N/A due to date, Turbine wheel AD 2013-21-02 N/A due to model not installed. Inspected intake air filter, Washed engine performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time. *RR Lubch I.A.# 2835988*

5/30/2015 Engine Total Time: 2868.6 TSMOH: 809.8 Tach: 809.8
TSTOH: 338.3

Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Drained oil, replaced oil filter PN CH48108-1 and replenished with 8 qts Phillips XC 20W50. Removed spark plugs, cleaned, gapped rotated and re installed. Performed bore scope and compression checks, cyl #1 74/80, #2 70/80, #3 72/80, #4 66/80, #5 68/80, #6 75/80. Checked Mag timing. Reviewed all AD's for compliance through 13-21-02. , Replaced bad aircraft engine heater with FAA-PMA McFarlane Safe heat PN700 in accordance with manufacturer's instructions. Washed engine, performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time. *RR Lubch A+ I.A. 2835988*

ENGINE MODEL
ENGINE SN
P/N: 101-57055
WORK ORDER
5500-08-2013



Top Gun Aviation, Inc.

6100 S. Lindbergh St.
Stockton, CA 95206 USA
Phone: 209-883-8862

DATE: 8/26/2013
A/C TSN
ENG TT
TACH: 736

Engine Entries

(1) Cleaned left side fuel injectors.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 8/26/2013

SIGNED

Mark T. Smith, I.A. 566531421

Work Order: 5509-08-2013

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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 |
|------|-----------------------|---------------------------|------------------------------|---|
| | | | | TOTALS brought forward from previous page |

09-04-2015 WO 24080 N57055 M20K SN 25-0784 TACH 817.3

Replaced upper deck pressure injector sleeves with serviceable ones. Sonic cleaned injector nozzles. Resealed entire upper deck pressure and injector nozzles system. Adjusted idle mixture per SID97-3. Runup function and leak check good.

A&P 2772114
Arizona Air-Craftsman


Philip M. McQuaid

N57055 Teledyne Continental TSIO-360-LB1 Sn 316004

5/27/2016 Engine Total Time: 2900.9 TSMOH: 842.1 TSTOH: 370.6

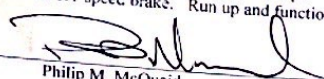
Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Drained oil, cut open filter for inspection, no metal found. Collected oil sample. Replaced oil filter PN CH48108-1 and replenished with 8 qts Phillips XC 20W50. Removed spark plugs, cleaned, gapped rotated and re installed. Performed bore scope and compression checks, cyl #1 76/80, #2 66/80, #3 72/80, #4 66/80, #5 72/80, #6 74/80. Checked Mag timing adjusted Lt mag to spec.. Reviewed all AD's for compliance. Washed engine, performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time.

RR utchig I.A. 28-35988

12-20-2016 WO 25012 N57055 M20K SN 25-0784 TACH 874.6

Changed oil and filter, inspected old filter element. Serviced with Phillips 20W50XC. Adjusted micro switch for RT spec brake. Run up and function check good.

A&P 2772114
Arizona Air-Craftsman


Philip M. McQuaid

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|------|-----------------------|---------------------------|------------------------------|---|
| | | | | TOTALS brought forward from previous page |

N57055 Teledyne Continental TSIO-360-LB1 Sn 316004

4/2/2017 Engine Total Time: 2936.5 TSMOH: 877.7 TSTOH: 406.2

Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Replaced all spark plugs with Tempest fine wire URHM38S. Removed Lt and Rt Mags for 500 hour inspection, reinstalled and timed to engine specs. Removed starter drive adapter for overhaul and installed P/N 646220-A51 Ser# NAP341/G33213-2. Replaced Vacuum pump with overhauled P/N 216CW Ser# 2201711. Replaced Starter with overhauled Energizer P/N 646238-2 Ser#E259344. Removed STC'd Merlyn Upper Deck Pressure control for overhaul P/N 18-1001-501 Ser# 1801061025A1519 and reinstalled with new control hose kit # MPI21-1 P and attaching hardware. Performed checkout procedure outlined in Merlyn Report Number 21-1. Performed engine bore scope and compression checks, cyl #1 10 /80, #2 10 /80, #3 74 /80, #4 74 /80, #5 72 /80, #6 70 /80. Reviewed all AD's for compliance. Work orders and FAA Form 8130-3 forms for above work are located in this book. Washed engine, performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time.



RL White JA2835158

AIR-CRAFTSMAN CHANGED THE OIL ON
B22.17 TACH TIME 905.5 HRS. OIL FILTER
WAS CHANGED & 8qt OF PHILLIPS 20W50 XC
WAS ADDED. AOR OIL ANALYSIS WAS DONE
AS WELL.

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INTENTIONALLY*

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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 |
|---|-----------------------|---------------------------|------------------------------|---|
| <p>N57055 Teledyne Continental TSIO-360-LB1 Sn 316004 Tach: 946.4</p> <p>4/23/2018 Engine Total Time: 3005.2 TSMOH: 946.4 TSTOH: 474.9</p> <p>Complied with annual inspection IAW FAA part 43 appendix D and manufacturer's maintenance manual. Performed engine bore scope and compression checks, cyl #1 73/80, #2 68/80, #3 72/80, #4 70/80, #5 70/80, #6 72/80. Checked and adjusted timing both mags. Cleaned and rotated plugs. Drained oil replaced oil filter and replenished with 8 qts Phillips XC 20w-50. Reviewed all AD's for compliance. Washed engine, performed engine run up and checked for leaks. This engine has been inspected IAW an annual inspection and found to be airworthy at this time. <i>RR uttala IA 2835988</i></p> | | | | |
| <p>ENGINE MODEL: TSIO-360-LB ENGINE SN: 316004 REG. NO: N57055 WORK ORDER: 25969</p> <p> Legend Aviation LLC 2020 Clubhouse Drive Prescott, AZ 86301 Phone: 628 710 1680</p> <p>DATE: 2/6/2019 A/C TSN: 3033 3 ENG TT: 3033 3 TSMOH: 974 5 TACH: 674 5</p> <p>Engine Entries</p> <p>(1) Performed oil and filter change, drained oil and inspected filter element and oil sump suction screen in reference to Continental Aircraft Engine Maintenance manual Publication M.O Para. 3-2, no defects noted. Serviced engine with 8qts 20W50 oil and new filter. Run up and leak check good. (2) Tested ignition switch and P-lead. Spliced new ground wire on P-lead at the ignition switch. Found P-lead terminal at mag was crimped to shielding. Installed new terminal and performed function check, no defects noted. Reconnected RH magneto. Function check good. (3) Removed top and bottom spark plugs of cyl #1, cleaned, gap checked, inspected, and installed.</p> <p>Technicians Who Worked On The Items Listed Above: Brandon Cook, Brandon Ruth</p> <p>MAINTENANCE RELEASE</p> <p>The above identified aircraft, component or appliance has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this agency.</p> <p>DATE: 2/6/2019 SIGNED: <i>BRCCA</i> Work Order: 25969 Brandon Cook, A&P A7P3773545 Printed by EBis 3 (datcomedia.com)</p> | | | | |
| <p>ENGINE MODEL: TSIO-360-LB ENGINE SN: 316004 REG. NO: N57055 WORK ORDER: 26104</p> <p> Legend Aviation LLC 2020 Clubhouse Drive Prescott, AZ 86301 Phone: 628 717 1680</p> <p>DATE: 12/10/2019 A/C TSN: 3036 ENG TT: 3036 TSMOH: 999 2 TACH: 999 2</p> <p>Engine Entries</p> <p>(1) Performed oil and filter change, drained oil and inspected filter element and oil sump suction screen in reference to Continental Aircraft Engine Maintenance manual Publication M.O Para. 3-2, no defects noted. Serviced engine with 8qts 20W50 oil and new filter. Took AOA oil sample. Run up and leak check good. (2) Cleaned, inspected and tested spark plugs. Rotated and reinstalled same spark plugs. (3) Cleaned, inspected, and re-installed fuel injector nozzles. (4) Checked timing and found to be within limits. (5) Found oil leaks at 9 rocker cover locations. Removed, cleaned and installed 9 rocker covers with new gaskets P/N: SA652310. (6) Re-secured front air cleaner intake. Found 2 attach brackets broken, fabricated and riveted two attach brackets. Ground ops check good.</p> <p>Technicians Who Worked On The Items Listed Above: Bill Samuelson, Chris Kahl</p> <p>I certify that this engine has been inspected in accordance with the above inspection and was determined to be in airworthy condition.</p> <p>The aircraft engine identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this agency.</p> <p>DATE: 12/10/2019 SIGNED: <i>Bill Samuelson</i> Work Order: 26104 Bill Samuelson, A&P 2747196 Printed by EBis 3 (datcomedia.com)</p> | | | | |

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ENGINE MODEL TSIO-360-LB
ENGINE S/N: 318004
REG. NO. N57055
WORK ORDER 26176



Legend Aviation LLC

2020 Clubhouse Drive
Prescott, AZ 86301
Phone: 928.717.1000

DATE: 4/15/2020
A/C TSN: 30616
ENG. IT: 30616
TSMOH: 10028
TACH: 10028

Engine Entries

- 2 Complied with and Annual inspection IAW FAR 43 Appendix(d) using Legend Aviation's Annual / 100Hr. inspection checklist and manufactures maintenance manuals. Performed hot cylinder compression test, results as follows: #1 - 77/80, #2 - 76/80, #3 - 75/80, #4 - 76/80, #5 - 76/80, #6 - 74/80. Replaced induction air filter. Cleaned, inspected, tested and reinstalled spark plugs with new gaskets. All applicable ADS complied with.
- 9 Removed worn bolt and nut on mixture control rod end. Installed new bolt P/N: AN3-7 and nut AN310-3 with new cotter pin.
- 10 Installed new Donaldson induction filter p/n AM1C8365FP, Complied with AD 84-26-02 Next Due 500Hrs Tach Time 1502.8
- 11 Installed new placards from Gami Kit No GT360-130B S/N 3833 per installation procedure No IP-67-003 Rev N/C Date: Dec. 5 1997.
- 15 Removed Electro Systems Inc. Alternator P/N: ES4002 S/N: A081692 and installed Overhauled alternator P/N: 849281 S/N: D-130518 with new drive coupling P/N: 635796 S/N: DRK116281. ground ops and leak check good.

Technicians Who Worked On The Items Listed Above
Chris Kahn, Eliot Cluff

I certify this engine has been inspected IAW a 100 hr Annual inspection and has been determined to be in airworthy condition at this time.

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this agency.

DATE: 4/15/2020

SIGNED:

Eliot Cluff, IA: 601444958

Work Order: 26176

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