



# ENGINE MAINTENANCE RECORDS

Aircraft Registration ~~N1141X~~ N6815T  
Engine Position Right  
Engine Serial No. 800522



# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. ~~NH44X~~ N6815T

Engine Manufacturer TCM

Model TS10L-SSDA

Serial No. 800522

Date installed on aircraft 8/08

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

Right     Left

254/752-8381

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708

FAX 254-752-3307

1-800-445-9713

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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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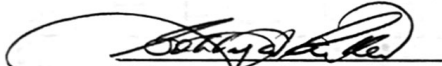


**AIR IMPRESSIONS, INC.**  
PROFESSIONAL AIRCRAFT SERVICE  
7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

Engine TT: 3651.9  
Engine SMOH: 41.6  
Prop SMOH: 41.6  
Hour Meter: 894.2  
Date: 09/04/2015

**Continental TSIOL-550-A S/N R-800522**

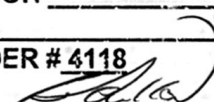
On above referenced engine, removed all cowling for 100 Hour/Annual Inspection. Cleaned and gapped spark plugs. Drained oil, installed new oil filter and refilled engine with Aeroshell 100W oil. Checked magneto timing. Inspected plug harness and all engine electrical. Checked all engine controls for movement and attach points. Inspected intake and exhaust system, condition and integrity of all engine accessories. Inspected engine mount, all baffles and cowling. Inspected prop, spinner and bulkhead. Inspected all fuel, oil and hydraulic lines and fittings. Ran compression check and readings were: #1) 75/80, #2) 74/80, #3) 75/80, #4) 75/80, #5) 74/80, and #6) 75/80. C/W A.D. 2000-01-16 per paragraph's (b), (c) and (e). (Paragraph (b) next due at 944.2.) All A.D.'s researched through bi-weekly 2015-16. (See A.D. listing for all current and future compliance times.) Above work done in accordance with Continental and Cessna 414A Service Manuals and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and approved for return to service. Pertinent details are on file under work order #4118.

  
Air Impressions, Inc  
CRS# AK6R541N



7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

I certify this Engine has been inspected in accordance with a 100 HR. Inspection and has been determined to be in an airworthy condition.

DATE 09/04/2015 HM 894.2  
ENGINE SMOH 41.6  
ENGINE TT 3651.9  
WORK ORDER # 4118  
SIGNED 

**AIR IMPRESSIONS, INC**  
**REPAIR STATION # AK6R541N**

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**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
<b>TOTALS</b> brought forward from previous page				
9-1-18			2686	changed oil with 11 qts Aeroshell 100+ Replaced filter with a 48108-2 filter Cut open old filter No contaminants found. Ran Engine No leaks
11/5/18			2728	changed oil with 11 qts Aeroshell 100+. Replaced filter with a Tempstest 48108-2. Cut open old filter No contaminants found Ran Engine No leaks
5/3/19			2780	changed oil with 4 qts Aeroshell 100+ Replaced oil filter with a Tempstest 48108-2. Cut open old filter No contaminants found Ran Engine No leaks
5-2-19			2780	cleaned, gapped & tested sparkplugs Wendell 3384041 JA
11/2/19			2830	changed oil with 11 qt Aeroshell 100+. Installed new 48108-2 tempstest oil filter. Cut open old filter. No contaminants found Ran Engine No leaks
<b>SUB-TOTALS</b> this page				
<b>TOTALS</b> —Carry forward to next page				



DATE



**AIR IMPRESSIONS, INC.**  
PROFESSIONAL AIRCRAFT SERVICE

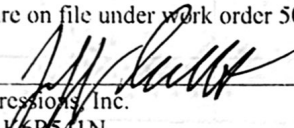
7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

TOTALS bring all items from previous page

Engine TT: 4041.7  
Engine SMOH: 431.4  
Prop SMOH: 431.4  
Hour Meter: 2860.1  
Date: 07/27/2020

**TCM TSIOL-550-A S/N R- 800522**

On above referenced engine, removed all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. Drained oil, installed new oil filter and refilled engine with Aeroshell W100 Plus oil. Checked magneto timing. Inspected plug harness and all engine electrical. Checked all engine controls for movement and attach points. Inspected intake and exhaust system, condition and integrity of all engine accessories. Inspected engine mount, all baffles, and cowling. Inspected prop, spinner and bulkhead. Inspected all fuel, oil, and hydraulic lines and fittings. Ran compression check and readings were: #1) 75/80, #2) 70/80, #3) 76/80, #4) Repair. #5 70/80 and #6 68/80. Replaced #1, #2, and #3 rocker cover gaskets. Replaced #6 intake gasket. Repaired riser heat shield at #6 cylinder. Removed and installed #4 cylinder after repair by RAM Aircraft. (See 8130-3 dated 7/2/2020.) Installed overhauled intake and exhaust lifter at #4 location. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d), (e) and (g). (Paragraph (b) next due in 50 hours or 30 days whichever is later.) (See airframe log for details.) All A.D.'s researched through bi-weekly 2020-14. See A.D. listing in log binder for current and future compliance times. Above work done in accordance with TCM and Cessna Service Manual and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and approved for return to service. Pertinent details are on file under work order 5072.

  
Air Impressions, Inc.  
CRS# AK6R541N




**AIR IMPRESSIONS, INC.**  
PROFESSIONAL AIRCRAFT SERVICE

7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

I certify this Engine has been inspected in accordance with a 100 HR Inspection and has been determined to be in an airworthy condition.

DATE 07/27/2020 HM 2860.1  
ENGINE TT 4041.7  
ENGINE SMOH: 431.4  
WORK ORDER #5072

SIGNED   
AIR IMPRESSIONS, INC.  
REPAIR STATION # AK6R541N

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
	2940.2			01/31/2022 TSIOL-550-A s/n R-800522 4121.8 TT SMOH 511.5 Drained engine oil and removed oil filter, serviced engine with Aeroshell W100 Plus 11 qts. Removed alternator, replaced with overhauled unit Part no 649304, s/n D239909, overhauled unit. Ops ck ok, no oil leaks Alternator charging. Installed new oil filter CH48108-1. William A. Collins 33840411A <i>William A. Collins</i>



7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

Engine TT: 4162.9  
Engine SMOH: 552.6  
Prop SMOH: 552.6  
Hour Meter: 2981.3  
Date: 08/19/2022

**TCM TSIOL-550-A S/N R- 800522**

On above referenced engine, removed all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. Drained oil. installed new oil filter and refilled engine with Aeroshell W100 Plus oil. Checked magneto timing. Inspected plug harness and all engine electrical. Checked all engine controls for movement and attach points. Inspected intake and exhaust system, condition and integrity of all engine accessories. Inspected engine mount, all baffles, and cowling. Inspected prop, spinner and bulkhead. Inspected all fuel, oil, and hydraulic lines and fittings. Ran compression check and readings were: #1) 62/80, #2) 68/80, #3) 60/80, #4) Repaired. #5) Repaired, #6 68/80. Replaced scat ducting as needed. Removed and reinstalled #4 and #5 cylinders after repair by RAM Aircraft. (See tags.) Resealed oil plug at right forward crankcase. Replaced vacuum pump and tach drive garloc seals. Replaced #6 rocker cover gasket. Replaced push rod housing seals for #1 and #3 cylinders. Installed new prop deice lead grommets. Installed overhauled lifters for #4 and #5 cylinders. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d), (e) inspections. (Paragraph (b) next due in 50 hours or 30 days whichever is later.) Flushed radiator and reserviced engine with 50/50 Dexcool. All A.D.'s researched through bi-weekly 2022-16. See A.D. listing in log binder for current and future compliance times. Above work done in accordance with Continental and Cessna Service Manual and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and approved for return to service. Pertinent details are on file under work order 5485.

Air Impressions, Inc.  
CRS# AK6R541N




7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

I certify this Engine has been inspected in accordance with a 100 HR Inspection and has been determined to be in an airworthy condition.

DATE 08/19/2022 HM 2981.3  
ENGINE TT 4162.9  
ENGINE SMOH: 552.6  
WORK ORDER #5485

SIGNED *William A. Collins*  
AIR IMPRESSIONS, INC.  
REPAIR STATION # AK6R541N

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
				<b>TOTALS</b> brought forward from previous page
02/04/2023 N6815T right engine TSIOL-550-L Hobbs Time 3029.8				
Changed engine oil and oil filter this date, filled crankcase with				
Aeroshell W100 Plus, 10 qts. C/W AD 2000-01-16 by inspection of				
V clamps and slip joints every 50 hrs or 30 day which ever the latter.				
No damage found. William A. Collins 33840411A				
				

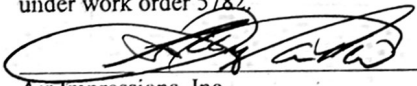


7929 Karl May Dr.  
Waco, Texas 76708  
CRS No. AK6R541N

Engine TT: 4241.5  
 Engine SMOH: 631.2 (8/08)  
 Prop SMOH: 631.2 (8/08)  
 Hour Meter: 3059.9  
 Date: 11/01/2023

**TCM TSIOL-550-A S/N R-800522**

On above referenced engine, removed all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. Drained oil, installed new oil filter and refilled engine with Aeroshell W100 Plus oil. Checked magneto timing. Inspected plug harness and all engine electrical. Checked all engine controls for movement and attach points. Inspected intake and exhaust system, condition and integrity of all engine accessories. Inspected engine mount, all baffles, and cowling. Inspected prop, spinner and bulkhead. Inspected all fuel, oil, and hydraulic lines and fittings. Ran compression check and readings were: #1) Replaced, #2) 60/80, #3) Replaced, #4) 75/80, #5) 75/80, #6) Replaced. Resealed wastegate housing. Replaced rocker cover gaskets. Replaced cylinder push rod tube seals. Replaced inboard exhaust elbow support clamp. Replaced CHT probe. Replaced #1, 3, and 6-cylinders with P/N CL77-233-UP, S/N's 12902, 12901 and 12314-9. (See tags.) Replaced lifters P/N's SA628488-OH and SA646277-OH. Replaced piston pins, P/N 649703. Connection rods were re-bushed and reinstalled with new bearings. Installed new exhaust slip joints, P/N 1001-3. Installed overhauled exhaust wye collector header, P/N 9910299-9. (See tag.) Engine system set-up to RAM Specs and Continental service manual. Installed new probe for oil temp, P/N MS28034-3. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d), (e) inspections. (Paragraph (b) next due 3109.9 HM.) All A.D.'s researched through bi-weekly 2023-20. See A.D. listing in log binder for current and future compliance times. Above work done in accordance with Continental and Cessna Service Manual and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and approved for return to service. Pertinent details are on file under work order 5782.

  
 Air Impressions, Inc.  
 CRS# AK6R541N

				<b>SUB-TOTALS</b> this page
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