

ENGINE MAINTENANCE RECORDS

Aircraft Registration
Engine Position
Engine Serial No.

N1141X N68157 Rajht 800522



ENGINE MAINTENANCE RECORDS

Aircraft Registration No. NH44X N68157
Engine Manufacturer
Model TSIOL-SSOA
Serial No800522
Date installed on aircraft
Time Between Overhauls (TBO)Hours
If used on multi-engine aircraft:
Right □ Left

Log No. _

Page No.

		Total	Total	Tach or	
- 120	. Data	Time	Time	Recording	
	Date	ln -	Since	Meter	
2		Service	Overhaul	Time	
	8/25/08	3610.3	0.0	852.6	



TCM TSIOL-550-A Series V Right Engine S/N 800522

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/TCM SM X-30600A. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnafluxed, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818. Rev. J dated 2/19/08. Installed above referenced engine in right position of Cessna S/N 414A0215. Installed new RAM camshaft P/N 1058-1A, S/N D08013 as direct PMA replacement of TCM camshaft. AD 97-26-17 C/W per installation of new VAR crankshaft P/N 652359 S/N N05FA199 per TCM CSB96-8. AD 99-19-01 N/A per crankshaft date of manufacture I/A/W TCM MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W TCM Mandatory Service Bulletin MSB00-5D. Engine assembled with new ECI crankcase P/N AEC653923-26, S/N 2G-744. Installed new TCM nickeled cylinders. Installed Floscan transducer per STC SA7633SW-D. Installed overhauled McCauley propeller model 3AF36C514-C/G-80VMFA-2, S/N 921478. Engine accessories exchanged for overhauled or new units except as noted. Re-used customers vacuum pump S/N 06047, air conditioner hydraulic pump, no s/n landing gear hydraulic pump S/N 90078 and tach generator S/N 25003. Installed factory new RAM turbocharger P/N 2059-1, S/N LCL00269. Installed overhauled prop governor S/N 030084. Installed new RAM/FAA/PMA fuel nozzles P/N 2563-14C. TCM Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. New slick pressurized magnetos P/N 6320 installed per STC SA7633SW-D. MSB94-8C on magneto timing procedure C/W per timing to data plate TC degree requirements with TDC locator and protractor with pointer. Installed RAM/FAA/PMA rocker arms P/N 1842-3 and -4. AD 2000-01-16 c/w, see airframe log for details. Installed new Aeroquip integral firesleeved fuel, oil, hydraulic and coolant hoses meeting TSO-C53A Type D and TSO-C75 Type III. Installed new NDM oil cooler P/N 652018, S/N unknown. Category 1 thru 3 TCM Service Bulletin Compliance Listing in RAM Manual. Engine serviced with Phillips multi-grade 20W50 Type M mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Above referenced engine eligible for 2000 TBO per TCM SIL98-9. Aluminum alloy engine parts were coated per RAM Specification No. 1142. Propeller balanced per Service Manual with spinner and bulkhead installed. Installed RAM/FAA/PMA spring loaded induction clamps P/N 1170-2. C/W AD 93-16-15 per TCM MSB95-6 installation of fuel pump drive coupling P/N 653359. Engine ground run on test stand per RAM specifications for 4 hours. C/W Slick Service Bulletin SB3-08, Compliance Step 1. All components inspected and found in acceptable limits at this time. Re-inspect magneto every 15-20 hours of operating time until the total magneto operating time exceeds 50 hours. See Service Bulletin instructions for subsequent inspections. Engine collant system serviced with 50/50 mixture of Texaco No. ETX6024/distilled water per RAM Service Manual 1381. Engine pump pressure, idle. mixture, fuel flow, max RPM, manifold pressure, and oil pressure adjusted per RAM Series V Specifications. Engine ground run power test good. All engine systems checked for leaks. Engine approved for return to service for the work performed. Pertinent details on file under Project No. 4239.

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K

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
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Engine TT: Engine SMOH: Prop SMOH: Hour Meter: 10/01/2009 Date:

TCM 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) 75/80, #3) 75/80, #4) 76/80, #5) 75/80, and #6) 70/80. Flushed coolant system and re-serviced per RAM Specs. C/W A.D. 2000-01-16 per paragraph's (b) and (e). (Paragraph (b) next due at 927.0 HM or 10/31/2009 whichever is later.) (See A.D. listing.) A.D.'s researched through bi-weekly 2009-19. For complete A.D. history see listings. Above work done in accordance with TCM 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 #2816.

Air Impressions. Inc CRS# AK6R541N

7929 Karl May Dr

I certify this **Engine** has been inspected in accordance with a 100 HR.

			Waco, Texas 76708 CRS No. AK6R541N	Inspection and has been determined to be in an airworthy condition. DATE 10/01/2009 HM 877.0 ENGINE SMOH 24.4 ENGINE TT 3634.7 WORK ORDER # 2816 SIGNED AIR IMPRESSIONS, INC	
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DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



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 \$94.2 ENGINE SMOH 41.6 ENGINE TT 3651.9 WORK ORDER # 4118 SIGNED AIR IMPRESSIONS, INC REPAIR STATION # AK6R541N
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Engine TT: 3661.7
Engine SMOH: 51.4
Prop SMOH: 51.4
Hour Meter: 904.0
Date: 11/04/2016

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) 78/80, #2) 75/80, #3) 78/80, #4) 75/80, #5) 76/80, and #6) 75/80. C/W A.D. 2000-01-16 per paragraph's (b), (c) and (e). (Paragraph (b) next due at 954.0.) All A.D.'s researched through bi-weekly 2016-21. (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 #4345.

Air impressions. Inc CRS# AK6R541N

AIR IMPRESSIONS, INC. 7929 Karl May Dr. Waco, Texas 76708 CRS No. AK6R541N	I certify this has been inspected in accordance with a 100 HR. Inspection and has been determined to be in an airworthy condition. DATE 11/04/2016 HM	
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Engine TT: 3677.3
Engine SMOH: 67.0
Prop SMOH: 67.0
Hour Meter: 2495.7
Date: 06/09/2017

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

Installed above referenced engine onto right position of 414A-0645 N6815T. Performed 100HR Inspection. Cleaned and gapped spark plugs. Drained oil, installed new oil filter and refilled engine with Aeroshell W100 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) 78/80, #2) 75/80, #3) 75/80, #4) 75/80, #5) 76/80 and #6) 74/80. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d) and (e) inspections. (Paragraph (b) next compliance due in 50 hours or 30 days whichever is later.) A.D. 84-26-04 per replacement of induction air filter will next be due at 2728.7 HM. All A.D.'s researched through bi-weekly 2017-11. 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 4487.

Air Impressions/Inc. CRS# AK6R541N

	AIR IMPRESSIONS, PROFESSIONS AIRCRAFT SEAS 7929 Karl M Waco, Texas CRS No. AK6	May Dr. I certify this Engine has been inspected in accordance with a 100 HR
		DATE 06/09/2017 HM 2495.7 ENGINE TT 3677.3 ENGINE SMOH: 67.0 WORK ORDER #4487 SIGNED AIR IMPRESSIONS, INC. REPAIR STATION # AK6R541N
9-27-17	2541.0	Clarged oil weth Ugits 100 perchell+ clarged oil filter with e temper-48108-2 Cityper ald filter No contaments found for enjene No liabo
		SUB-TOTALS this page

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1/30/17			2598,4	chargel oil with 11 gts aeroshell 100 +
, (-		p - 1	Rylace felle well a 48108-2 toppert Cut gren old feller No Cantaminents
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in accomplished to the			9	found - Dem ayine de leads
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4/16/18		9 V	2450,0	Changed oil week 115ts aerosball 100T
		i i		Changed oil werk 11 gts aerosball 100T Replaced vilfelter with a 48108-2
	8 g			Cut open de fille No contaminails
		F		lound fan Enjene No leaks



Engine TT: 3843.1
Engine SMOH: 232.8
Prop SMOH: 232.8
Hour Meter: 2661.5

Date:

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

On above referenced engine, removed all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. 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) 72/80, #2) 73/80, #3) 74/80, #4) 75/80, #5 74/80 and #6 74/80. Re-located fuel hose to allow better access to oil filter. Serviced coolant system. C/W A.D. 84-26-02 per new air filter installed, due each 300 hours per RAM. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d) and (e). (Paragraph (b) next due in 50 hours or 30 days whichever is later.) All A.D.'s researched through biweekly 2018-14. 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 4691.

Air Impressions Inc. CRS# 6K6R 41N

			AIR IMPRESSIONS, INC.
-		, ,	7929 Karl May Dr.
	20.0		Waco, Texas 76708 CRS No. AK6R541N
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I certify this Engine	has been
inspected in accordance w	ith a 100 HR
Inspection and has been d	etermined
to be in an airworthy conc	lition.
DATE 07/25/2018 HM	1 2661.5
ENGINE TT	3843.1
ENGINE SMOH:	232.8
WORK ORDER #4691	11/1.
SIGNED	MILL

REPAIR STATION # AK6R541N

SUB-TOTALS this page

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Page No. _____

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



7929 Karl May Dr. Waco, Texas 76708 CRS No. AK6R541N Engine TT: 3971.6 Engine SMOH: 361.3 Prop SMOH: 361.3 Hour Meter: 2790.0

07/24/2019

Date:

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

On above referenced engine, removed all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. Installed new oil filter and inspected old element for contamination. 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) 70/80, #2) 72/80, #3) 75/80, #4) 75/80, #5 75/80 and #6 73/80. Installed 2 ea. new spark plugs. Installed new left magneto P/N 6320 S/N 19060736. Replaced right magneto drive gear and accessory pad due to gailing in pad bushings. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d) and (e). (Paragraph (b) next due in 50 hours or 30 days whichever is later.) Installed all new rocker cover gaskets. Installed new vacuum pump pad garloc seal. Installed flare sleeve at #6 oil return line to crankcase. Installed new exhaust tailpipe. (See airframe log for details.) All A.D.'s researched through bi-weekly 2019-15. See A.D. listing in log binder for current and future compliance times. Above work done in accordance with TCM and Gessna Service Manual and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and gropproved for return to service. Pertinent details are on file under work order 4882.

Air Impressions Inc.

		AIR IMPRESSIONS, PROFESSIONS, 7929 Karl M Waco, Texas CRS No. AK6	ay Dr. 1 cert 76708 inspe R541N Inspe to be DATI ENG	AIR IMPRE	nce with a 100 een determine condition. HM	2790.0 3971.6 261.3
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Engine TT: Engine SMOH: Prop SMOH: Hour Meter: Date:

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) Repaird. #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 Impres CRS# A166R541N

> AIR IMPRESSIONS, INC. AIRCRAFT SERVE

> > 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: WORK ORDER #5072**

SIGNED AIR IMPRESS/C REPAIR STATION # AK6R541N SUB-TOTALS this page



Engine TT: 4082.2
Engine SMOH: 471.9
Prop SMOH: 471.9
Hour Meter: 2900.6
Date: 08/09/2021

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

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 Acroshell 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) 70/80. #5) 70/80, #6 70/80. C /W 84-26-02 per installing new induction air filter, due each 300 hours per RAM. 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.) Installed new gaskets for #1 and #3 rocker covers. Installed overhauled hydraulic pumps P/N's 24343LAD S/N R920217MS and P/N 24194-LAA S/N 51382. (See 8130-3 forms.) All A.D.'s researched through bi-weekly 2021-15. 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 or details.

Air Impressions, Inc. CRS# AK#R5#1N

	AIR IMPRESSIONS, INC. PROTESSIONAL AIRCRAFT SERVICE 7929 Karl May Dr. Waco, Texas 76708 CRS No. AK6R541N	I certify this has been inspected in accordance with a 100 HR Inspection and has been determined to be in an airworthy condition. DATE _08/09/2021 HM
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	2940.2			O1/31/2022 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 overnauled 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
	IMPRESSIONS,	VICE		Engine TT: 41 Engine SMOH: 5 Prop SMOH: 5 Hour Meter: 29 Date: 08/19/2
	Waco, Texas	s 76708		TCM TSIOL-550-A S/N R- 800522
i	nstalled new of	renced engin	refilled engine	all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. Drained with Aeroshell W100 Plus oil. Checked magneto timing. Inspected plug harness an ontrols for movement and attach points. Inspected intake and exhaust system, condition
i e e e e e e e e e e e e e e e e e e e	On above referentialled new dengine electric integrity of all all fuel, oil, a Repaired. #5) RAM Aircraft Replaced #6 refinitialled overheaves due in 50 through bi-weight Continentialled continentialled with Continentialled with Continentialled overheaves with Continentialled with Continentialled overheaves with Continentialled with Continentialled overheaves with Continentialled overheaves with Continentialled over with Continent	renced engin oil filter and al. Checked engine access and hydraulic Repaired, #6. (See tags ocker cover g nauled lifters hours or 30 of ekly 2022-16 atal and Cess	refilled engine all engine corsories. Inspect lines and fitti 68/80. Replace asket. Replace for #4 and #5 days whicheve . See A.D. lis na Service March 2018 and 18 days whicheve . See A.D. lis na Service . See A.D. l	all cowling for 100HR/Annual Inspection. Cleaned and gapped spark plugs. Drained the with Aeroshell W100 Plus oil. Checked magneto timing. Inspected plug harness an entrols for movement and attach points. Inspected intake and exhaust system, condition ceted engine mount, all baffles, and cowling. Inspected prop, spinner and bulkhead. Inspectings. Ran compression check and readings were: #1) 62/80, #2) 68/80, #3) 60/80, laced scat ducting as needed. Removed and reinstalled #4 and #5 cylinders after reparational plug at right forward crankcase. Replaced vacuum pump and tach drive garloc seced push rod housing scals for #1 and #3 cylinders. Installed new prop deice lead gromm cylinders. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d), (e) inspections. (Paragrap er is later.) Flushed radiator and reserviced engine with 50/50 Dexcool.All A.D.'s resear sting in log binder for current and future compliance times. Above work done in accordance and an Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up service. Pertinent details are on file under work order 5485.
	On above referentialled new dengine electric integrity of all all fuel, oil, a Repaired. #5) RAM Aircraft Replaced #6 refinitialled overheaves due in 50 through bi-weight Continentialled continentialled with Continentialled with Continentialled overheaves with Continentialled with Continentialled overheaves with Continentialled with Continentialled overheaves with Continentialled overheaves with Continentialled over with Continent	renced engin oil filter and al. Checked engine access and hydraulic Repaired, #6. (See tags ocker cover guauled lifters hours or 30 dekly 2022-16 atal and Cess and approved	refilled engine all engine corsories. Inspect lines and fitti 68/80. Replace asket. Replace for #4 and #5 days whicheve . See A.D. lis na Service March 2018 and 18 days whicheve . See A.D. lis na Service . See A.D. l	the with Aeroshell W100 Plus oil. Checked magneto timing. Inspected plug harness an entrols for movement and attach points. Inspected intake and exhaust system, condition cted engine mount, all baffles, and cowling. Inspected prop, spinner and bulkhead. Inspectings. Ran compression check and readings were: #1) 62/80, #2) 68/80, #3) 60/80, laced scat ducting as needed. Removed and reinstalled #4 and #5 cylinders after reparable plug at right forward crankcase. Replaced vacuum pump and tach drive garloc seced push rod housing scals for #1 and #3 cylinders. Installed new prop deice lead gromm cylinders. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d), (e) inspections. (Paragrap er is later.) Flushed radiator and reserviced engine with 50/50 Dexcool.All A.D.'s resear sting in log binder for current and future compliance times. Above work done in accordance and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED—				
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hanged eng eroshell W1 clamps and o damage fo	ine oil and oi 1.00 Plus, 10 q I slip joints ev ound. Willian	I filter this dat ts. C/W AD 20		ase withspection of				
			Ì					
AIR IMPRES	ssions, Inc.			Engine TT: 4241.5 Engine SMOH: 631.2 (8/08) Prop SMOH: 631.2 (8/08)				
	Karl May D	or.		Hour Meter: 3059.5 Date: 11/01/2023				
Waco	o, Texas 7670 No. AK6R54	08						
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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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		4				
		AIR IMPRESS	ONS, INC.			
		7929 k	Karl May Dr.	I certify this Engine has been		
	Waco, Texas 76708 CRS No. AK6R5411	Waco,	Texas 76708	Inspected in accordance with a 100 HR Inspection and has been determined		
-		5. AK6R541N	to be in an airworthy condition.			
				DATE 11/01/2023 HM 3059.9 ENGINE TT 4241.5		
				ENGINE SMOH:631.2 (8/08)		
				WORK ORDER #5782 SIGNED		
				AIR IMPRESSIONS, INC. REPAIR STATION # AK6R541N		
				RELAIN STATION # ARONS4119		
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