LOG #3

POPLAR (AOVE AIRMOTIVE 11619 Route 76 Poplar Grove, IL 61065 800-397-8181



The Standard

ENGINE LOG

N4297C

ASA-SE-2

Engine Record General Information

Manufacturer's Recommended Overhaul at _____ hours

Manufacturer	ireon	NING	Model	TIO-	540-\$	IAD
Serial	4-8345-	61A	Type Certi	ficate		
This engine is c	urrently installe	d in aircraft:			18 12	
Minimum Octan	e Fuel	Oil Gra	de Summer		Winter	
Magneto Time_		Point S	etting	2!	Firing Orde	r
Caralle Blue Con						

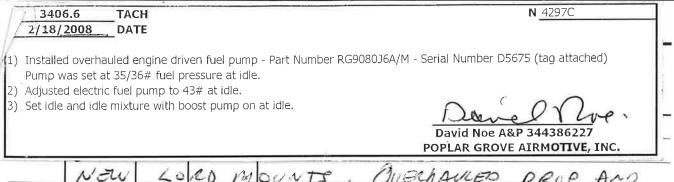
MAKE	LYCOMING	MODEL	TIO-540-S1AD	S/N	L-8345-61A	
Total Time	3384.0	Hours	Time Since Major (- /2 . •	ZERO	Hours
This engine was disas	ssembled, cleaned, inspected an	d reassembled with nece	essary new parts in acc	ordance with	a major overhaul	
as per the manufactur	rer's current overhaul manual	60294-7	New tolerances and o			detailed
parts list is on file at the	nis agency. The following acces	sories were overhauled o	or exchanged. See main	ntenance rele	ases in this logboo	k.
Installed new Lyd	coming cylinders P/N 05	K21108. Installed no	w Lycoming cam	, P/N LW19	9340, and lifter	s P/N
72877. Installed r	mangeto P/N 10-682560-1	13, S/N E199918GR,	after overhaul by	Poplar Gr	ove Airmotive.	Installed
fuel pump P/N Ro	G9080J6A/M, S/N D331, a	fter overhaul by Air	craft Systems. Su	pplied fue	I servo P/N 25	24791-7,
S/N 84180146 aft	er overhaul by Precision	Airmotive, Supplied	d starter P/N MZ-4	222R, S/N	11242, ovehau	iled by
Poplar Grove Air	motive. See Á.D. Complia	ance Record and na	irts list for more d	etails		END
	iness directives and related factor					
ook. This engine wa	s test run in an FAA approved te	est cell and meets specific	cations. The aircraft er	naine identifie	d above was renai	red
and inspected in accor	rdance with current regulations of	of the Federal Aviation Ac	ministration and is app	roved for retu	urn to service for th	ie
work performed. Perti	nent details of repair are on file	at this repair station unde	er:			
		Work Order #	1235	Date	11/29/2007	
Poplar Grove A	Airmotive, Inc.			-		, ,
	ort, Poplar Grove, IL		Mishaul A Casas S		11/1//	
FAA Approved Ren	pair Station #YYBR664L		Michael A. Carey Signed for Po	plan Crove A	irmotivo too	\leq
- The state of the state of	an otation #11 Brook		Signed for Fo	piar Grove A	iiiiotive, iiica	
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78-23-10 fuel ser 79-04-05 fuel ser 80-17-10 throttle 83-22-04 fuel inje 91-08-07 C fuel pun #91-21-01 R1 C ex 92-12-05 piston p 95-07-01 connect 95-26-02 imprope #97-01-04 Superior 97-15-11 piston p #02-12-07 to preve #02-19-03 crankshi #02-26-01 fuel injen #03-14-03 fuel pun	wo movement ctor diaphragm np fitting khaust K band couplings E in P/N LW-14077 ing rod bolt P/N 75060 r fuel	COMPLIANCE STATUS N/A by P/N N/A by P/N N/A by servo P/N To be C/W at engine installation N/A by servo P/N P/C/W has "R" stamped on fitting To be C/W at engine installation N/A by pin P/N N/A by bolt P/N N/A by registration number		
78-23-10 fuel ser 79-04-05 fuel ser 80-17-10 throttle 83-22-04 fuel inje 91-08-07 C fuel pun #91-21-01 R1 C ex 92-12-05 piston p 95-07-01 connect 95-26-02 imprope #97-01-04 Superio 97-15-11 piston p #02-12-07 to preve #02-19-03 crankshi #02-26-01 fuel inje #03-14-03 fuel pun	vo vo movement ctor diaphragm np fitting khaust K band couplings E in P/N LW-14077 ing rod bolt P/N 75060 r fuel	N/A by P/N N/A by servo P/N To be C/W at engine installation N/A by servo P/N P/C/W has "R" stamped on fitting To be C/W at engine installation N/A by pin P/N N/A by bolt P/N		
79-04-05 fuel ser 80-17-10 throttle 83-22-04 fuel inje 91-08-07 C fuel pun #91-21-01 R1 C ex 92-12-05 piston p 95-07-01 connect imprope #97-01-04 Superior piston p #02-12-07 to preve #02-19-03 crankship #02-26-01 fuel inject #03-14-03 fuel pun #03-14-03 fuel pun #03-14-03 fuel pun #04-17-10 fuel ser #05-18-04 fuel ser #05-10-04 fuel s	wo movement ctor diaphragm np fitting khaust K band couplings E in P/N LW-14077 ing rod bolt P/N 75060 r fuel	N/A by servo P/N To be C/W at engine installation N/A by servo P/N P/C/W has "R" stamped on fitting To be C/W at engine installation N/A by pin P/N N/A by bolt P/N	į.	
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83-22-04 fuel inje 91-08-07 C fuel pun #91-21-01 R1 C ex 92-12-05 piston p 95-07-01 connect 95-26-02 imprope #97-01-04 Superio 97-15-11 piston p #02-12-07 to preve #02-19-03 cranksh #02-26-01 fuel inject #03-14-03 fuel pun	ctor diaphragm np fitting khaust K band couplings E in P/N LW-14077 ing rod bolt P/N 75060 r fuel	N/A by servo P/N P/C/W has "R" stamped on fitting To be C/W at engine installation N/A by pin P/N N/A by bolt P/N	ř.	
91-08-07 C fuel pun #91-21-01 R1 C ex 92-12-05 piston p 95-07-01 connect 95-26-02 imprope #97-01-04 Superio 97-15-11 piston p #02-12-07 to preve #02-19-03 cranksh #02-26-01 fuel inject #03-14-03 fuel pun	np fitting khaust K band couplings E in P/N LW-14077 ing rod bolt P/N 75060 r fuel	P/C/W has "R" stamped on fitting To be C/W at engine installation N/A by pin P/N N/A by bolt P/N	8	
#91-21-01 R1 C ex 92-12-05 piston p 95-07-01 connect 95-26-02 imprope #97-01-04 Superior 97-15-11 piston p #02-12-07 to preve #02-19-03 crankshi #02-26-01 fuel inject #03-14-03 fuel purr	khaust K band couplings E in P/N LW-14077 ing rod bolt P/N 75060 r fuel	To be C/W at engine installation N/A by pin P/N N/A by bolt P/N		
92-12-05 piston p 95-07-01 connect 95-26-02 imprope #97-01-04 Superior 97-15-11 piston p #02-12-07 to preve #02-19-03 cranksh: #02-26-01 fuel inject #03-14-03 fuel pur	in P/N LW-14077 ing rod bolt P/N 75060 r fuel	N/A by pin P/N N/A by bolt P/N		
95-07-01 connect 95-26-02 imprope #97-01-04 Superior 97-15-11 piston p #02-12-07 to preve #02-19-03 crankshi #02-26-01 fuel inject #03-14-03 fuel puri	ing rod bolt P/N 75060 r fuel	N/A by bolt P/N		
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#97-01-04 Superior 97-15-11 piston p #02-12-07 to preve #02-19-03 cranksh #02-26-01 fuel inject #03-14-03 fuel pum		N/A by registration number		
97-15-11 piston p #02-12-07 to preve #02-19-03 crankshi #02-26-01 fuel inject #03-14-03 fuel purr	r cylindoro	· ··· · - j · · · gioti attori riairibei		
#02-12-07 to preve #02-19-03 crankshi #02-26-01 fuel inject #03-14-03 fuel purr	Cylinders	N/A by cylinder manufacturer		
#02-19-03 cranksh: #02-26-01 fuel inject #03-14-03 fuel pur	in	N/A by pin P/N		
#02-19-03 cranksh: #02-26-01 fuel inject #03-14-03 fuel purr	nt complete loss of engine oil	N/A by P/N of new plate seal installed		
#03- 14-03 fuel pun	aft failure	N/A by engine S/N		
#03-14- 03 fuel pun	ctor fuel lines	C/W IAW Lycoming SB342D		
		P/C/W by "/M" suffix		
#04-05-24C engine p	ower	C/W by bolt replacement		
#04-10-14C cranksha		C/W IAW Lycoming SB 475C		
Next due after propeller s		ON WALYCOMING SD 4750		
05-19-11 cranksha		N/A by engine model		
06-20-09 cranksha		N/A by engine model N/A by crankshaft S/N		
171415	cylinders			
Poplar Grove Airmoti	ve Inc	N/A by cylinder manufacturer		
Repair Station YYBR66		Date: 11/29/2007		

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4.5	DING	TODAYS 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 pages for other specific entries.)	YEAR:	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)
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		HUF		PUALUE INSTANCENUMU	0_15	RIN	2 1	1000	11 1171
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YEAR:	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)
DATE Z-S	-09	TAC	W 29	187 SMON103 Computers
	10	041	Į»	PACE Pipen cherk sheet-
	C	pANG	10 01	I Am Ficter with Shell
		5 63	\mathcal{O}_{+}	Cyld cong #1-76 42-78 43-78
	A	£4.	77 1	5-78 76-78. KEPCAICO AIR
		INC	5/	Y XIR CLEAN AND SAP SOARA
		00		Descr VA-CUUL Prop DRIVO
		20	- Ano	CASKER. HDJUSIDS ACTIVATION
		BEL	1. 10	Wint Schule Frank Compuns
		Fdr		WO HER NUT ChECK FOURD OF
		1115	G'	STAMPLD ON NUT.
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YEAR:	RECORDING Tach Time	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
DATE				.5
2 - 8	-29	78	CH	3487
	I certify the	ENGIA	€ has been	inspected certify this ENGINU has been this
	in accord	ance with	a/00h	in accordance with a ANN on
	inspectio	r and wa	s determine	
	De la	reendikge GUG	Sell AtA	ainworth condition 790657 \$
		DINAL A	RCRAFT SE	RVICE CARDINAL ARCRAFT SERVICE
	GR	AYSLAKE	LL AIRPOR LLLINOIS 6	0030 CAMPBELL AIRPORT GRAY \$ LAKE, ILLINOIS 60030
	-	PH. 84	7-546-5150.	(PH. 847-546-5150

YEAR: 2009	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)
7-1-2009	3531.8			Drained oil. Changed Filter CH48103-1,
7 2,50	TACH			Add 12 gts Sproshell 15W50,
	71 21 -			Ruhun E 100 7-1709
1-20	3710,2			Change occ + Filter Kullen 5/0
2 /	,	20.0	2:5	7 62 24 007
5-1-1	0 1	Hen	358	16-1 000
	o h	w	Phis	Changes oil are FICTS
	1111	11	Chi	12 15w50. Cyld comp #1-
	#2	74	23-	19 94.78 #5.78 \$6.76.
	CC	CAN	An	grow SPARK PLUGS KUCAL
	Az	K S	truc.	Filter Jighter ACC
	R	ocic	cod	in schens. Kit can & soyld
		NB	10 6	asket, our office postal
		CK	sia.	FIENS EN ENGLETOS

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				64
3-1	-10	TPA	CN 3	587 SMUM 203
	I certify th	ENG/	has been	0 ./. / 0
	in accorda	nce with	1000	in accordance with a ATV WILL
	inspection	and wa	r determined	to be in insperior from the in
	allwighting	aryla	mysell!	4P1174653 JJ 19066000
	CARI	ANAL AII	RERAFT SEI	CARDINAL AIRCRAFT SERVICE
	275	CAMPBE	LL AIRPORT	ZAMPBELL AIRPORT
	GR/	PH. 84	ILLINOIS 6 7-546-5150	0030 GFAYSLAKE, ILLINOIS 60030 PH. 847-548-5150
-1-10		Holies	38049	Oci Chago & Feler Kelle Luga
-10-10		140669	3,858	2.6
		Drawn	ol gil	- Change Folty GH48103-1
		Aeres	rell 15	W50 / Kulmar & 1-10 9-10-10
29-11		Hobbe.	3886	14
		Drain	de Oil	Charge Files CH48/03-1)
		Heros	Well 15	W 50 Kilm 5/90

		-								
YEAR:	RECORDING	TODAYS	TOTAL	Description of Inspections, Tests, Repairs and Alterations		YEAR:	RECORDING	TODAYS	TOTAL	Description of Inspections, Tests, Repairs and Alterations
اانده	TACH TIME	FLIGHT	TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of	1		TACH TIME	FLIGHT	TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of
2011_	- 1171L		OTHRIOL	Technician or Repair Facility. (See back pages for other specific entries.)	1		···		OBIITIOE	Technician or Repair Facility. (See back pages for other specific entries.)
DATE				9 1 0 1 2 - 00 5		DATE				
2-24-11		Hot65	3886,4	Kephel Bottley Gill 6355 Septes		4-12-11	TACO	3	754 ,	SMOH 370 Coupurs 100h
2-29-11		Hotts	3886.4	Replace Ain Silver Elignest BA-9005	9		INSPE	Ties	~ ptn	PIPER Char ther INDEXTO
				D 1 2 8 - 2-29-11			011	A2 L	N- A	IN FOUND CITAN. CYLO COOP
				Michael L. C.		4	#1-74	#	2-74	#3-78 #4-76 #5-76 #6-78-
2-29-11		PER	ALG	ALTINATOR BELT AND IDIEN	ì		CLOAN	1 KD	AND	CAP SPANK PLUES. REMOUTE
		Pu	uley i	ASSY. SET TENSION AND SAFTIED.	- 2		Ann	RE	INST	LUS FUEL SERVO A-Ptra
-		•		1 1 00			REPAI	r /	ra T	AG). MOUSE MICK WASTEGATE
(h)				390665109	¥		ANS S	LIP	TOLNIC	REPLACION ALL RECKON COUR
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YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entree must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 4	12-11	77	SCH	3754 SMON 370
	in	ccordanc	e with a	been inspected I certify this ENEW has been inspected in accordance with a ANNAL
		worthy col	O O Rem	mined to be in inspection and was determined to be in airworthy condition.
		C/ GRAY	IAL AIRCRA MPBELL AII SLAKE, ILLIA PH. 847-546	IDIS 60030 GRAYSLAKE, ILLINOIS 60030
1-24-11	Notes			OIC Charge of Filter 27m
7-12-11	Holds	396	2	al change + Film of Pitu
(1-7-11				ac change then Gita to Se

G.

YEAR:	RECORDING	TODAYS	TOTAL	Description of Inspections, Tests, Repairs and Alterations
	TACH TIME	FLIGHT	TIME IN SERVICE	Entries must se encorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			02	Teermount of Tropan Lasins, (200
DATE			(/ 2)	17. 670 1
-15-10	. THEN	390	9 50	10H 520 Coupletes 100Kx INSP.
pin	Piper	i d	iac s	LET. Changes oil Ard with
with	Shet	i 15	c150.	CUAN AN SAP SPARE PLUGS.
Cald	· Coup	#1.	72	#2.76 #3.78 #4.77 #5-78 6-76.
Re	PLACE	07	URBO	AND TAIL PIPE (SEX TAGS).
10	EAN -	4 2	INJ	and Mozzie Arb REDIQUE
0	RING.	R	TR	MAGNETO After SOOLN INSP.
150	2- TX	(),	ALL	other ROUTING SERVER
-6	ID	20	Coc	y ctoo -
	7 0			
	1:	ertify this	EN610 6 h	as been inspected 1 certify this ENE has been inspected
			ce with a/	
	in	spection	and was de	termined to be in insperfued and was determined to be in
	ai	worthy co	ndition	airworthy condition 36/57/50
		CARRO	1000	CARDINAL AIRCRAFT SERVICE
			AL AIRCRI AMPBELL A	IRPORT CAMPBELL AIRPORT
-		GRAY		NOIS 60030 GRAYSLAKE, ILLINOIS 60030

YEAR:	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)
DATE S-18-R	- Hobbs	4090	7.9	acchange a Faller Pfer
12-29-	2 Hobb	5 41	3(,8	Occhringe of the 1276
1-2	3-13	11	PCH	3990 REMOUED ENGINE REPAIR DE CLACKED CASE.
		70		A AP 365710
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YEAR:	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)

1	FNOINE MODEL	TIO-540-S1AD S/N: L-8345-61A WO# 5312	l
MANUFACT		COMPLIANCE STATUS	
AD#	DESCRIPTION		
75-09-15	fuel flow dividers	N/A by engine model	2
78-23-10	fuel servo	N/A by servo P/N	
79-04-05	fuel servo	N/A by servo P/N	
80-17-10	throttle movement	N/A by engine S/N	· ·
83-22-04	fuel injector diaphragm	N/A by servo P/N P/C/W has "R" stamped on fitting	1 0 1
91-08-07 C	fuel pump fitting		HID HAD
91-21-01R1C	exhaust K band couplings E	To be C/W at engine installation	TAUTINGO
92-12-05	piston pin P/N LW-14077	N/A by pin P/N	10 401
95-07-01	connecting rod bolt P/N 75060	N/A by bolt P/N	1 H36157101
95-26-02	improper fuel	N/A by registration number	\bigcirc
#97-01-04	Superior cylinders	N/A by cylinder manufacturer	
97-15-11	piston pin	N/A by pin P/N	
#02-12-07	to prevent complete loss of engine oil	N/A by P/N seal installed	
#02-19-03	crankshaft failure	N/A by engine S/N	
#03-14-03	fuel pump	P/C/W by "/M" suffix	
#04-05-24C	engine power	C/W by replacement of gear retaining bolt	
#04-10-14C	crankshaft gear	C/W IAW Lycoming SB 475C	
05-19-11	crankshaft failure	N/A by crankshaft S/N	
09-02-03	Precision fuel servo	C/W by inspection and gasket replacement	
11-26-04	fuel lines	C/W by inspection I/A/W SB 342F	
12-03-06 C	AFS servo diaphram	N/A by P/N servo	
12-03-07	HA-6 carburetors	N/A by engine model	
12-19-01	crankshaft failure	N/A by crankshaft S/N	
Poplar Grov Repair Statio	ve Airmotive, Inc. on YYBR664L <u>David Mason</u>	1	

		¥	. 19	20.6	- E	ios .n		Merations
YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE			pections, Tests ed with Name, Rati acility. (<i>See</i> back pa		
DATE						ý.		
MAK Tach 1	_	Lycomin 3990	g MC Hou	DDEL rs	TIO-540-S1AI	S/N e Major Overhaul	L-8345-61A 606	Hours
Admini	stration and is a	pproved for re	was repaired and eturn to service	d inspected for the work	l in accordance with cperformed. (As de	current regulations of that ailed below) Pertinent o	e Federal Aviation letails of repair are on	
file at th	nis repair station I		er#	5312	-	Date	3/19/2013	_
and n This e List fo	cylinders nanifold valve engine was ru	as require as receiven in a test s	d see maint ed Installed cell for two	enance re fuel pum hours and	elease tags for r	paired by DIVCO Woore details. Reinst 6A, S/N D-5675, repations. See A.D. Co	paired by Aircraft	Systems.
Popla	r Grove Airpo	rt, Poplar	Grove, IL		David Mason	1)2012	Signature I.	
FAA A	Approved Rep	air Station	#YYBR664L	T	Signe	d for Poplar Grove Air	motive, Inc.	
		1					II .	
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YEAR: .	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)
DATE				
1-10-	1307	ACH	399	30 SMONE 606
	100	NSTA	acco .	this ENGINU IN NYZ97C
	Rema	W	TOPO	ASU REPLACEMENT DUE to
	CLA	K.	KETI	VSTALLO TURISO AFTO DEPAIR
	SCX	TA	5) (INSTAN NON AIN INCO GILTER
	INS	Mu	E0 1	29t 2050 ND. Fhillips
	ROP	sec	5 IN	Ton Cook TENT PROBE.
	Cylo	Lu	DE C	VERHAUCED AT This TIME.
	15EE	TAG), A	I oth ROTINO SERVELL
	In.	CE	Dug Ct	773.
	7686	The this #	VEINGE	pen inspected in accordance to accord to accordance to acc
			vith a 100	in accordance with a fire to
				inspector and was determined to be in airworthy condition.
	aipwi	orthy gond	iliop. D	1101174653
	100	Mary	anjejer	SARDINAL MICRAFT SERVICE
	1		AIRCRAFT PBELL AIRP	
	•		AKE ILLINOI	
			847-546-51	

YEAR:	RECORDING TACH TIME	TODAYS 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 pages for other specific entries.)
DATE	399/			Replace Battery with Gill GOZXE545
1/140	211/			
		7035	Selles	G02768545 KickTe
			-	×
21/13	4030.	3	+	Make: PIPER Model: PA-32R-301T Reg. No.: N4297C Completed: 06/27/13 00:00 TTAF:
11				S/N: 32R-8329019 Drained oil and removed and inspected oil filter, serviced engine with 10 Qts Drained oil and installed new oil filter, Installed new EGT probe P/N M111 #6
				cylinder. Ops and leak check good on run up Date 6/27/13
				Remando Cardoza A&P3122578

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Test Entries must be endorsed with Name, Ra Technician or Repair Facility. (<i>See</i> back	Rating and Certificate Number of
DATE		<u> </u>			(4)
3/13		Lunan	2440 29019 Ind serviced engii	Model: PA-32R-301T Reg. No.: N4297C Completed: 07/03/13 00:00 TTAF: ine with 9 Qts Aeroshell W-100 mineral oil	
		Fernando Ca	ardoza A&P31225	579	2
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R: E	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with N	s, Tests, Repairs and Alterations, Rating and Certificate Numbers back pages for other specific ent
					3
F	Miller Avia	tion II	C		286 Aviation Blvd.
• • • • • • • • • • • • • • • • • • • •	Miller.aviat				Lancaster, SC 29720
	MAKE: PIPER S/N: 32R-83290	19		Model: PA32R-301T TTAF:4048.3	Reg. No:N4297C TACH: 4048.3
	Engine Log				Date: 7/24/2013
_	lustin K. Miller A&P2789189	TO ACT CO	Q New Sciews. VV	ashed engine and ground ran. No leaks	
_	A&P2789189	200	9		
_	lustin K. Miller	ation, Ll		END	286 Aviation Blvd. Lancaster, SC 29720
	Miller Avi	ation, Ll		END	286 Aviation Blvd.
- [Miller Avi Miller.avia MAKE: PIPER	ation, Ll		END	286 Aviation Blvd. Lancaster, SC 29720 Reg. No:N4297
	Miller Avi Miller Avi Miller Avi Miller.avia MAKE: PIPER S/N: 32R-8329 Engine Log Drained oil and Except Elite 20	ation, Ll ation@he	lker and insperoubleshot oil listH21201 (2)	Model: PA32R-301T TTAF:4070.4 cted for metal- no metal found. Installed eak at L/H side to leaking pushrod tube shroud tube springs and washed engine	286 Aviation Blvd. Lancaster, SC 29720 Reg. No:N4297 TACH: 4070 Date: 11/11/207 AA48103 filter and serviced with 10 Qts seals #6 cylinder. Replaced LW-18661

X 9 1500 F 10

Model <u>TIO-540-S1AD</u> S/N <u>L-8345-61A</u> Reg. # <u>N4297C</u>	6070 Perimeter Rd. North Charleston, SC 29406 TACH 408 WO# 253	89.4 884
needed. Drained oil and	[AW Piper PA32R M/M check list. C/W AD 11-26-04 fuel injection line 21-02 Turbo wheel and found N/A by P/N of turbo installed. No further action inspected filter with no metal noted. Installed new filter P/N CH48103 and /50 oil. Compression test: 1) 75/80 2) 72/80 3) 72/80 4) 70/80 5) 73/80 6) 72/80 40 70/80 50 73/80 60 72/80 40 70/80 50 73/80 60 72/80 40 70/80 50 73/80 60 72/80 40 70/80 50 73/80 60 72/80	
I CERTIFY THIS ENGI- INSPECTION AND WA	NE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL S DETERMINED TO BE IN AIRWORTHY CONDITION CRS # I1BR578Y	
Dra ein Wa	g 13, 2014 Tach: 4136.9 Jin oil, remove and open oil filter, no metal found. Filled gine with 9 ots Exxon 20w-50 and 2 cams of AvBlend. sh engine and gear doors. Ssell Fauver A&P3106608	

YEAR:	RECORDING TACH TIME	TODAYS TOTAL FLIG	Description of Inspections. Tests. Repairs and Alterat rtificate Numbe ner specific entr	r of	RECORDING TACH		TOTAL Time in	Description of Inspecti Entries must be endorsed wit	ions, Tests, Repairs and Altera th Name, Rating and Certificate Numbe	er of
DATE			N4297C Piper PA32 sn32R-8329019	N4	297C	Lyc	coming	TIO540-S1AD	sn L-8345-61A	
DAIL		Date Remo filter (none filter	e 12/6/2014 lyc TIO540 Tac Time 41/0.9 oved cowling and drained engine oil and removed c. Cut open filter and inspected for metal particles noted). Replaced filter with new CH48103Tempest and saftied. Refilled crankcase with 9 Qts Phillips Tightened Alternator belt and resaftied. Ran engine spected for leaks (none noted). Engine approved for return to service.	Insp com Che eler noti I C INS	pressions (resul ked Mag timing ent with New E d. No new ADs.	sing a checklis lts at bottom g and adjuste Brackett BA7 . All ADs com NGINE has I	st that meets). Cleaned, ced to 20 degreelement. Lub iplied with th been inspected to be ai	checked and tested plugs. Replaced ees. Took oil sample and sent to Bl bed all controls and pivots. Ground iru 2015-11 ected IAW an ANNUAL	TSMOH 804.1 ndix D. Removed plugs and checked d and torqued to manufactures specs. lackstone for analysis. Replaced air filter d run ops checked normal and no leaks	
			Howard C Minton 3222189 IA	- 1	nder Compression 73/80 2)72/	ons /80 3) 74/8	80 4)70/80	5)72/80 6)74/80	è	

	CORDING CH ME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries	
DATE					
121-15 497	2019		S&S AV	N4297C Engine Logbook Entry Make: Lycoming Model: TIO-540-S1AD S/N L8345-61A Tach: 4205.1	9 8 8 8
			FAR's unle	ing was performed IAW the Lycoming Direct Drive Overhaul Manual and applicable ess otherwise noted. led oil and removed filter. Disassembled and inspected filter SAT. Installed new	9 91
			AA48 2. Remo	ned oil and removed filter. Disassembled and hispected filter and serviced engine with 9 qts. of Exxon Elite 20W50. Since the serviced engine with 9 qts. of Exxon Elite 20W50. Since the serviced engine with 9 qts. of Exxon Elite 20W50. Since the serviced engine with new seals. Since the serviced engine with new seals. Since the serviced engine with new seals.	, S
			4. Ran e	Cert. No. <u>A&P2739898</u> Date <u>21 Oct., 2015</u>	i i
				1 of 1	
				Ì	

YEAR: .	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with N	s, Tests, Repairs and Altera ame, Rating and Certificate Numb ee back pages for other specific er	er of
Inspector compre Checked Remove Phillips 2 run ops I certi	e 8/10/20: ted Engine using essions (results d Mag timing a ed oil filter, cut 20W50 oil. Rep s checked norm	16 g a checklis at bottom) and adjusted copen and o placed air fi all and no le siNE has b	st that meets t). Cleaned, ch d to 20 degree checked for co ilter element v eaks noted. No Deen inspec	TIO540-S1AD Tac Time 4233.6 The requirements of FAR 43 appendix D ecked and tested plugs. Replaced and t ess. Drained oil and took oil sample and contaminants. Installed New AA43103 fil with New Brackett BA9005 element. Lu to new ADs. All ADs complied with thru ted IAW an ANNUAL worthy	corqued to manufactures specs. sent to Blackstone for analysis. lter and saftied. Refilled with 10 Qts	
	rd C Minton r Compressions /80 2)74/80	5		5)72/80 6)72/80		

YEAR: RECORDING TACH TIME	TODAYS TOTAL FLIGHT TIME SERVI	IN Entries must be endorsed with N	ns, Tests, Repairs and Alterations Name, Rating and Certificate Number of See back pages for other specific entries.)	YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed wit	ons, Tests, Repairs and Alterain hame, Rating and Certificate Numbe (See back pages for other specific ent
N4297C Date 10/2 Inspected Engicompressions (Checked Mag to noted). Installe New Brackett I Ground run op I certify the INSPECTION Howard Codinger Common Codinger C	ine using a checklist (results at bottom). timing at 20 degrees ed New AA48103 filt BA9005 element. In os checked normal anis ENGINE has believed and determined winton 3222189 pressions	Tac Time 4250.7 that meets the requirements of FAR 43 appeared of the control of	n and checked for contaminants (None)W50 oil. Replaced air filter element with filter assy. Lubed all controls and pivots.	N429 Date Inspecte compress Checked noted). I with New new ADs I certification in the compress of the compre	d Engine using sions (results a Mag timing at installed New A Brackett BA90 All ADs comply this ENGII	a checklist of the bottom). 20 degrees. A48103-2 fi 2005 elementied with thr NE has be termined	that meets the Cleaned, che Drained oil a lter and safti to Lubed all coursels are inspected to be airw	ed IAW an ANNUAL	

rear:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with N	s, Tests, Repairs and Alteration ame, Rating and Certificate Number of the back pages for other specific entries
ATE	ĺ]	_	
N ²	1297C	L	ycoming.	TIO540-S1AD	sn L-8345-61A
Da	ate 04/09	/2020		Tac Time 4314.5	TSMOH 930.5
ele Mo nev I N: Ho	ment with New buse Milk. Replay W ADs. All ADs of certify this I SPECTION are ward C Mini- inder Compres	r Brackett B	BA9005 elemen er #1 intake tub vith thru 2020-C as been insp nined to be	t. Lubed all controls and pivots. Lubed be gasket and o'ring. Ground run ops 18. sected IAW an ANNUAL airworthy	Aeroshell 15W50 oil. Replaced air filter d Exhaust flanges and slip joints with s checked normal and no leaks noted. No

EAR:	RECORDING TACH TIME	TODAYS Flight	TOTAL TIME IN SERVICE	Entries must be endorsed with N	s, Tests, Repairs and Alterati lame, Rating and Certificate Number ee back pages for other specific entri
N42	297C	Ly	coming/	TIO540-S1AD	sn L-8345-61A
	te 04/05/			Tac Time 4338.6	TSMOH 954.6
noted oil. R and s thru: I ce INSF	d). Sent sample eplaced air filt lip joints with 2021-08.	e to Blackst er element Mouse Mill NGINE ha d determi	one. Installed with New Bra k. Ground run s been inspended to be a	ckett BA9005 element. Lubed all conti ops checked normal and no leaks note ected IAW an ANNUAL	illed crankcase with 9 Qts EXXON 20W50 rols and pivots. Lubed Exhaust flanges ed. No new ADs. All ADs complied with
	72/80 2)75,		/80 4)78/80	5)74/80 6)76/80	

existing Ma timing at 2 (see 8130s sample to I Cam Guard	4/08/20 Engine usinons (results agneto and 40 degrees. in AC recomblackstone.	g a checkli at bottom Installed (Installed Crds). Drain	n). Installed (1 Overhauled M Overhauled ign ed oil and Rer New AA48103	12) New Tempest URHB32E and the from Kelly Aero LLC CRS 9KJR nition wire harness assy from Kell moved oil filter, cut open and chology filter and saftied. Refilled crai	sn L-8345-61A TSMOH 969.8 Tendix D. Removed plugs and checked torqued to manufactures specs. Removed 356C P/N 10-682560-13 s/n K-01164. Set Magly Aero LLC CRS 9KJR356C P/N 10-821615-20 ecked for contaminants (None noted). Sent nkcase with 9 Qts EXXON 20W50 oil and 1
Inspected Inspec	4/08/20 Engine usinons (results agneto and 40 degrees. in AC recomblackstone.	g a checkli at bottom Installed (Installed Crds). Drain	ist that meets a). Installed (1 Overhauled M Overhauled ign ed oil and Rer New AA48103	Tac Time 4353.8 If the requirements of FAR 43 app 12) New Tempest URHB32E and It It ag from Kelly Aero LLC CRS 9KJR Inition wire harness assy from Kell Indian Wire harness assy from Wire harness assy from Kell Indian Wire harness assy from Wire ha	TSMOH 969.8 Sendix D. Removed plugs and checked torqued to manufactures specs. Removed 356C P/N 10-682560-13 s/n K-01164. Set Mag lly Aero LLC CRS 9KJR356C P/N 10-821615-20 ecked for contaminants (None noted). Sent nkcase with 9 Qts EXXON 20W50 oil and 1
Inspected I compression existing Ma timing at 2 (see 8130s sample to I Cam Guard	Engine usin ons (results agneto and 0 degrees. in AC recol Blackstone.	g a checkli at bottom Installed (Installed C rds). Drain Installed I	n). Installed (1 Overhauled M Overhauled ign ed oil and Rer New AA48103	the requirements of FAR 43 app 12) New Tempest URHB32E and the from Kelly Aero LLC CRS 9KJR nition wire harness assy from Kelly moved oil filter, cut open and characters and saftied. Refilled craft	vendix D. Removed plugs and checked torqued to manufactures specs. Removed 356C P/N 10-682560-13 s/n K-01164. Set Mag lly Aero LLC CRS 9KJR356C P/N 10-821615-20 ecked for contaminants (None noted). Sent nkcase with 9 Qts EXXON 20W50 oil and 1
existing Ma timing at 2 (see 8130s sample to I Cam Guard	ons (results agneto and 0 degrees. in AC reco Blackstone.	at bottom Installed (Installed C rds). Drain Installed I	n). Installed (1 Overhauled M Overhauled ign ed oil and Rer New AA48103	12) New Tempest URHB32E and the from Kelly Aero LLC CRS 9KJR nition wire harness assy from Kell moved oil filter, cut open and chology filter and saftied. Refilled crai	torqued to manufactures specs. Removed 356C P/N 10-682560-13 s/n K-01164. Set Mag lly Aero LLC CRS 9KJR356C P/N 10-821615-20 ecked for contaminants (None noted). Sent nkcase with 9 Qts EXXON 20W50 oil and 1
with thru 2 I certify	d slip joints 2022-08. • this ENC	with Mou	se Milk. Grou	nd run ops checked normal and i	ubed all controls and pivots. Lubed Exhaust no leaks noted. No new ADs. All ADs complied
	C Minton ompression 2)72/8	ns	89 IA 80 4)72/80		5-19-07 fuel injection lines by inspection Due 4453.8



480 AIRPOT DR Rock Hill SC 29732 United States

ENGINE

08,2, 2023

Telephone: 704-7635254

Registration #: N4297C

Manufacturer: LYCOMING

Part/Model number: TIO-540-S1AD

Work Order No:1274

HOBBS: 4603.3

TACH: 4371.9

Serial Number: L-8345-61A

Squawk

1. Performed a 100-hr Inspection on the Engine.

- Removed, cut open and inspected spin on oil filter. Drained oil installed new oil filter (PN: 48108-2) and serviced with (11) quarts of Phillips 66 20w50 Plus engine oil in crankcase.
- 3. Compressions are as follows: 1)7 3, 2)76, 3)65, 4)69, 5)65, 6)69, out of 80 psi. master orifice 48 psi.
- 4. Removed #1 MAG OFF P/N BL5556-1 S/N D20HA185R Installed Overhaul MAG P/N BL5556-1 S/N D20HAIB5R
- 5. Removed Spark Plug Harness PN 10-423674-19 and installed new Spark Plug Harness PN 10-423674-19. OPS Check OK.
- 6. Removed upper Spark Plugs P/N URHB32E on each cylinder. Installed 6 new Spark Plugs P/N URHB32S.
- Removed MAG No.2 P/N BL-500556-1 S/N D20HA186R and installed P/N EIS-61000 Electronic Ignition System.

Ground ran engine for leaks check and proper operation. Ops and leak check OK. All work done I/A/W LYCOMING Overhaul MM TIO-540

I certify that this ENGINE has been inspected in accordance with FAR Part 43 Appendix D in scope and detail with an annual inspection and returned to service at this time and date. —END

Luis Osuna

JAA-

A&P IA: 2783010

AR:	RECORDING TACH TIME	TODAYS FLIGHT	TIME IN	Entries must be endorsed with Nan	Tests, Repairs and Alterations ne, Rating and Certificate Number of back pages for other specific entries.)
ATE					
	، سا	S .3.		×	
	14297C		Lycoming	TIO540-S1AD	sn L-8345-61A
To	Date 09/0!	5/2024	(Tac Time 4381.1	TSMOH 997.1
co - ch	ompressions (re hecked for cont rankcase with 9	esults at bo caminants (Ots Aeros	ittom). Checked None noted). Sei hell 15W50 oil. R	ts the requirements of FAR 43 appendi Mag timing at 20 degrees. Drained oil nt sample to Blackstone. Installed New Replaced air filter element with New Br	and Removed oil filter, cut open and AA48103-2 filter and saftied. Refilled ackett BA9005 element. Lubed all
cc ch cr cc in 50	ompressions (rehecked for contrankcase with 9 ontrols and pivenspection by religion for this certify this	esults at bo taminants (Ots Aeros ots. Lubed placing (2) run ops ch ENGINE	ettom). Checked None noted). Sei hell 15W50 oil. R Exhaust flanges a Multi-segment cl ecked normal an	Mag timing at 20 degrees. Drained oil nt sample to Blackstone. Installed New Replaced air filter element with New Brand slip joints with Mouse Milk. Compliamps with New Lycoming LW-12093-5 and no leaks noted. No new ADs. All ADspected IAW an ANNUAL	and Removed oil filter, cut open and AA48103-2 filter and saftied. Refilled ackett BA9005 element. Lubed all ied with AD2023-09-09 Exhaust clamp clamps. Due again by replacement in
cc ch cr cc in 50	ompressions (rehecked for contrankcase with 9 ontrols and pivenspection by report of the following t	esults at botaminants (contaminants)	ettom). Checked None noted). Sei hell 15W50 oil. R Exhaust flanges a Multi-segment cl ecked normal an has been insp	Mag timing at 20 degrees. Drained oil nt sample to Blackstone. Installed New Replaced air filter element with New Brand slip joints with Mouse Milk. Complilamps with New Lycoming LW-12093-5 and no leaks noted. No new ADs. All ADs Dected IAW an ANNUAL airworthy AD 2015-19-0 AD 2023-09-0	and Removed oil filter, cut open and AA48103-2 filter and saftied. Refilled ackett BA9005 element. Lubed all ied with AD2023-09-09 Exhaust clamp clamps. Due again by replacement in
cc ch cr cc in 50	ompressions (rehecked for contrankcase with 9 ontrols and pive ontrols and pive on hrs. Ground I certify this NSPECTION of the oward C Micylinder Compressions (remains and the compressions)	esults at botaminants (contaminants)	ettom). Checked None noted). See hell 15W50 oil. R Exhaust flanges a Multi-segment cl ecked normal an has been insp rmined to be a	Mag timing at 20 degrees. Drained oil nt sample to Blackstone. Installed New Replaced air filter element with New Brand slip joints with Mouse Milk. Complilamps with New Lycoming LW-12093-5 and no leaks noted. No new ADs. All ADs Dected IAW an ANNUAL airworthy AD 2015-19-0 AD 2023-09-0	and Removed oil filter, cut open and AA48103-2 filter and saftied. Refilled ackett BA9005 element. Lubed all ied with AD2023-09-09 Exhaust clamp clamps. Due again by replacement in complied with thru 2024-18.

/EAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorse	ections, Tests, Repairs and Alterat d with Name, Rating and Certificate Number cility. (See back pages for other specific entr
DATE					
N429	7C	Lyc	oming	TIO540-S1AD	sn L-8345-61A
Date	09/12/20	025		Tac Time 4390.3	TSMOH 1006.3
I cert	fy this ENG	I ADs comp INE has be etermine	olied with thropeen inspect d to be air	u 2025-17. cted IAW an ANNUAL worthy	Ground run ops checked normal and no leaks
	d C Minton Compressions 80 2)70/80	;	9 IA 0 4)70/80		.5-19-07 fuel injection lines by inspection Due 4490.3
			-		
	k				