

The Standard

TENGINE LOG

ASA-SE-1

Engine Record General Informa	ation		
Manufacturer\u00e4compc	Model	-360-AAM	
Serial L-23457-364		Type Certificate	*
This engine is currently installed i	n aircraft		
Minimum Octoba Fuel	Oil Grade: Summer	Winter	
		A AMERICAN AND A STREET OF THE STREET	
Minimum Octane Fuel Magneto Time Spark Plug Gap	Point Setting	A AMERICAN AND A STREET OF THE STREET	

EAI		Repair	YE.
_			DA
TI	Overhaul Records	·	
	Lycoming 0-360-A4M s.n. L-23457-36A		
-	January 18, 2009 5502 hrs.		
	Parts Installed		
_			
	8 – SL13521A Rod Bearings		
-	4 – SL11020 Bearings		
	2 – SL13884A Bearings		
-	8 – AEL75061 Rod Bolt		
	8 – AEL12186 Connecting Rod Nuts		
-	1 – AELSTD2213 Crank Screw		
	1 – LW-18110 Pump Gear		
	1 – LW-18109 Pump Gear		
	1 – AEL61084 Oil Pressure Spring		
-	1 – 1028-B Ball		
	4 – AEL19001 Exhaust Valves		1
	8 – AEL31C12 Exhaust Studs		
	4 – AEL74230 Exhaust Guides		
	4 – AEL11800 Exhaust Valve Springs		
	8 – AEL60009 Valve Keepers		_
	8 – MS13997-3 Valve Keepers		1
	4 – MS13998-3 Valve Caps		_
	4 – AEL75089 Pistons		
	4 – SL3601-SC Piston Ring Kits		
	8 – 60828 Piston Pin Plugs		
	4 – SL69603 Hoses		
	1 – 18109A-S Gasket Kit		
	8 – AEL12892 Thrust Buttons		
	8 – UREM38E Spark Plugs		
	1 – CH48110-1 Oil Filter		
	All locking hardware and other hardware as needed.		
	Case, oil sump and accessory housing cleaned and visually and dye penetrant inspected. Cylinders		
	cleaned, dye penetrant and dimensionally inspected, valves and valve seats all refaced and bores ball		
	honed. All internal steel inspected and reconditioned by Aircraft Specialties Services (see w.o. 169396).		
	C/W AD 75-08-09 and AD 96-09-06 R1 by installing LW-18110 and LW-18109 Gears. C/W AD 2006-10-14		
	by inspecting and assembling applying a problem of in a secretary with Lyapping CD STC		

by inspecting and assembling crankgear and crankshaft in accordance with Lycoming SB 475C. Overhauled engine I/A/W Lycoming Direct Drive Overhaul Manual.

> Allan Hatz A & P 399782276

TAC:

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
- mer				The first of the f

Duffy's Aircraft Sales & Leasing, Inc. 400 W.29th St. Marshfield, WI 54449

February 12, 2009, 6648.7 Hours Total Lycoming 0-360-A4M Piper PA-28-181 6648.7 Hours Tach L-23457-36A N3474M 0 Hours SMOH

5502 Hours Total Engine

Installed on Piper PA-28-181, N3474M, s.n. 28-7890303. See airframe log for details. Serviced with 8 qts. of Phillips 20W50 Type M break in oil. Test run and leak checked all o.k.

Allan Hatz A&P 399782276 Inspection Authorization

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection Entries must be endorsed with Facility. (See back pages for or	ns, Tests, Repairs and Alterations Name, Rating and Certificate Number of Technither specific entries.)	nician or Repair	DATE	
DATE	Duffy's Aircra 400 W.29 th S	aft Sales {	& Leasing, Ir	nc.				
	Marshfield, V Sept 3, 2009 6673.9 Hour Lycoming 0-	NI 54449 9, rs Total -360-A4M	Phillins 20w	Piper PA-28-181 6673.9 Hours Tach L-23457-36A w50 and Tempest AA48110 to s test ran ok.	N3474M 25.2 Hours SMOH 5527.2 Hours Total Engine filter and checked oil suction screen, for	und ok.		
_	W.				Robert Gaier Rob & Gaio. A&P 390667161			

PATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	[HT]	tions, Tests, Repairs and Alterations vith Name, Rating and Certificate Number of Technicia r other specific entries.)	an or Repair
40	uffy's Aircraf 00 W.29 th St. arshfield, Wl		Leasing, Inc). =		
67 Ly CI o.	k. Cleaned	otal 60-A4M ith 8qts Pl and gappe	ed plugs. C	ompression #1- 74/80 #2-	N3474M 61 Hours SMOH 5563.3 Hours Total Engine filter and checked oil suction screen, found 75/80 #3-73/80 #4-72/80 test ran ok.	- [- [- [- [- [- [- [- [- [- [
	e in airworthy			spected in accordance wil	Robert Gaier A&P 390667161	

ATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Re Facility. (See back pages for other specific entries.)	pair
-3	6751	Has 7	ach.		
10		Chan	real pil	with 8 gts Phillips DO NSO a Tempest - 418110	0-0
(0		filter	/	el a gapped pluss. End.	
		tiltes	. Cleane		
			1	Robert Soin ASP 3495085	
-		l	V.,		
	January	20, 2011		Piper PA-28-181 N3474M	
	6751 Hor			6751 Hours Tach 102 Hours SMOH	
	Lycoming	g 0-360-A	4M	L-23457-36A 5604 Hours Total Engine	
	Compre	ssion #1-	73/80 #2-71	/80 #3-71/80 #4-75/80.	_
	I certify t	hat this e	ngine has be	en inspected in accordance with a 100hr inspection and was determined to	
		vorthy co		on moposion in addition with a room, moposion and the actionment	
		-			
				Robert Gaier Robert Galer	
				Robert Galer Coo Tales	

AR:

DATE		SERVICE	Facility. (See back pages for	with Name, Rating and Certificate Number of Technician or other specific entries.)	oi nepaii
- Duff					
Duff					
Duff					_
400	fy's Aircraft Sales & W.29 th St.	Leasing, Inc.			-
Mar	rshfield, WI 54449		767		_
675	vember 12, 2012 52 Hours Total coming 0-360-A4N	Л	Piper PA-28-181 6752 Hours Tach L-23457-36A	N3474M 103 Hours SMOH 5605 Hours Total Engine	
Со	mpression #1- 72	2/80 #2-73/80 #	#3-70/80 #4-72/80. Lubed	controls	-
l ce	ertify that this engin in airworthy cond	ine has been i ition.	nspected in accordance w	th a 100hr inspection and was determined to	
				-110.	-
				Robert Gaier Robert Jaio,	

10-0

				pai
Duffy's Aircraft Sales & Leasing, I	nc.			
400 W.29 th St.				
Marshfield, WI 54449				
				_
June 17, 2014	Piper PA-28-181	N3474N		
5653 Hours Total	6800 Hours Tach	151 Hou	irs SMOH	Lane
	L-23457-36A			
Lycoming 0-360-A4M	L-23437-30A			<u></u>
Changed oil with 8 qts Phillip contaminates, found o.k. Clea Test ran o.k.	s 20w50 and Tempest AA4810-2 aned and gapped plugs. Compre	ssion #1- 72/80 #2	-72/80 #3-71/8	30 #4-72/80.
contaminates, found o.k. Clear Test ran o.k. I certify that this engine has b	s 20w50 and Tempest AA4810-2 aned and gapped plugs. Compre seen inspected in accordance wit	ssion #1- 72/80 #2	-72/80 #3-7 1/0	00 #4-72/00.
contaminates, found o.k. Clea Test ran o.k.	aned and gapped plugs. Compre	n a 100hr inspectio	on and was def	termined to
contaminates, found o.k. Clear Test ran o.k. I certify that this engine has b	aned and gapped plugs. Compre	n a 100hr inspectio	on and was def	termined to
contaminates, found o.k. Clear Test ran o.k. I certify that this engine has b	aned and gapped plugs. Compre	n a 100hr inspection	on and was det	termined to
contaminates, found o.k. Clear Test ran o.k. I certify that this engine has b	aned and gapped plugs. Compre	n a 100hr inspection	on and was det	termined to
contaminates, found o.k. Clear Test ran o.k. I certify that this engine has b	aned and gapped plugs. Compre	n a 100hr inspectio	on and was det	termined to
contaminates, found o.k. Clear Test ran o.k. I certify that this engine has b	aned and gapped plugs. Compre	n a 100hr inspection	on and was det	termined to

Duffy's Aircraft Sal	es & Leasing, Inc.				bai
 400 W.29th St. Marshfield, WI 54- 	149			1- 0 10 18	_
December 18, 20	014 Pir	er PA-28-181	N3474M		_
5688 Hours Tota	1 683	35 Hours Tach	186 Hours S	HOM	_
Lycoming 0-360-	A4M L-2	23457-36A			
Changed loft me		ina d Oliale m/m 1271 a/m	07070004 L. DID A-		
_ Changed letting	ag with serviceable repa	irea Slick p/n 437 i s/n	07070691 by RLB AC	cessory Service see	
attached yellow	ag with serviceable repa tag. Test ran o.k. no lea	KS.			_
attached yellow	ag with serviceable repa tag. Test ran o.k. no lea	KS.			-
attached yellow	ag with serviceable repa tag. Test ran o.k. no lea	KS.			-
attached yellow	ag with serviceable repa	KS.	Robert Gaier A&P 3495085		
attached yellow	ag with serviceable repa	KS.			-
attached yellow	ag with serviceable repa	KS.			-

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspecti Entries must be endorsed wit Facility. (See back pages for or	n Name, Rating and Certill	nd Alterations icate Number of Technician o	r Repair
ATE						
April 22, 20 5697 Hour Lycoming	s Total 0-360-A4N	Л	Piper PA-28-181 6844 Hours Tach L-23457-36A	N3474M 195 Hour		
	. 01	and oil w	ith 8 qts Phillips 20W50 and	Tempest AA4810-2 f	ilter and checked oil	
suction sci #3-76/80 #	een for co 4-76/80.	ontaminates Test ran o.k	, found o.k. Cleaned and ga	pped pidgo. comp. co		
suction sci #3-76/80 #	een for co 4-76/80.	ontaminates Test ran o.k ine has bee	, found o.k. Cleaned and ga	with a 100hr inspection	n and was determined to	
suction sci #3-76/80 #	een for co 4-76/80.	ontaminates Test ran o.k ine has bee	, found o.k. Cleaned and ga	pped pidgo. comp. co	n and was determined to	
suction sci #3-76/80 #	een for co 4-76/80.	ontaminates Test ran o.k ine has bee	, found o.k. Cleaned and ga	with a 100hr inspection	n and was determined to	

Si Ly

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspect Entries must be endorsed Facility. (See back pages for	with Name, Rating a	and Certificate Number	ons of Technician o
DATE	1	1 1		T domy. (Goo sampages)			
_ 9	eptember 18,	2015		Piper PA-28-181	N3474	4M	-
	744 Hours To			6891 Hours Tach	242 H	lours SMOH	
	ycoming 0-36			L-23457-36A			
-	Changed oil w	vith 8 ats F	Phillips 20V	V50 and Tempest AA4810	-2 filter and chec	ked oil suction scr	een for
- cc	ontaminates.	found o.k.	Cleaned a	and gapped plugs.			
				0 11 . 0			
	and the second second					11	
_					- 1	O Lat Cin	0
					Robert Gaier	Robert Sie	
	1 m ²				Robert Gaier A&P 3495085	Robert Sie	
					Robert Gaier A&P 3495085	Robert Sie	
		- 10 - 20			Robert Gaier A&P 3495085	Robert Sais	
		3			Robert Gaier A&P 3495085	Robert Sie	
		3			Robert Gaier A&P 3495085	Robert Sais	
		9			Robert Gaier A&P 3495085	Robert Sais	

EAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
ATE				Pacifity. (See back pages for other specific entiries.)
576	y 26, 2016 58 Hours Tota coming 0-360			Piper PA-28-181 N3474M 6915 Hours Tach 266 Hours SMOH L-23457-36A
for	contaminates	s, found o	.k. Cleaned	qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen d and gapped plugs. Compression #1- 75/80 #2-76/80 #3-74/80 #4-77/80. Iter. Test ran o.k.
for Ins	contaminates talled new er	s, found ongine air fi engine h	.k. Cleaned Iter BA-3 fi	d and gapped plugs. Compression #1- 75/80 #2-76/80 #3-74/80 #4-77/80. Iter. Test ran o.k. spected in accordance with a 100hr inspection and was determined to be in
for Ins	contaminates talled new er ertify that this	s, found ongine air fi engine h	.k. Cleaned Iter BA-3 fi	d and gapped plugs. Compression #1- 75/80 #2-76/80 #3-74/80 #4-77/80. Iter. Test ran o.k.
for Ins	contaminates talled new er ertify that this	s, found ongine air fi engine h	.k. Cleaned Iter BA-3 fi	d and gapped plugs. Compression #1- 75/80 #2-76/80 #3-74/80 #4-77/80. Iter. Test ran o.k. spected in accordance with a 100hr inspection and was determined to be in

D	May 16, 2017	Piper PA-28-181	N3474M	
	5791 Hours Total Lycoming 0-360-A4M	6938.4 Hours Tach L-23457-36A	289 Hours SMOH	
			empest AA4810-2 filter and checked oil suction scree	
1 -	for contaminates, found o.k. ran o.k.	. Cleaned and gapped plugs. Com	pression #1- 72/80 #2-74/80 #3-72/80 #4-70/80. Test	en
1 -	I certify that this engine has	heen inspected in accordance with	- 400h-i	
-	airworthy condition.	been inspected in accordance with	n a 100hr inspection and was determined to be in	
-			Lee Taylor	
1-			A&P-2702401	
1-				
1-				ř
1				_
	4 1 1			

583	y 29, 2018 9 Hours Total oming 0-360-A4M	Piper PA-28-181 6986.4 Hours Tach L-23457-36A	N3474M 337 Hours SMOH	
Cle	aned engine. Changed oil w	ith 8 ats Phillips 20W50 and Tem	pest AA4810-2 filter and checked oil suction screen	-
for o	,	aned and gapped plugs. Compre	ssion #1- 74/80 #2-75/80 #3-76/80 #4-76/80. Test	-
		engine not listed in SB 632B or		_
				1
airw	orthy condition.	n inspected in accordance with a	100hr inspection and was determined to be in	
				-
			ee Taylor &P 2702401	-
	1 1 1		and the second s	_
			and the second s	
			and the second s	- 1
			and the second s	
			and the second s	
			and the second s	

Ma 58 Ly

for Re C/

I c

		110 1744
May 23, 2019 5885.7 Hours Total Lycoming 0-360-A4M	Piper PA-28-181 7033.1 Hours Tach L-23457-36A	N3474M 383.7 Hours SMOH
Repair details. Replaced exh Compression #1- 74/80 #2-	cleared and gapped pages naust gaskets with new. -74/80 #3-74/80 #4-75/80. Test ran o. ound engine not listed in SB 632B or r been inspected in accordance with a	est AA4810-2 filter and checked oil suction screen aust to Dawley for rebuild See W.O #118874 k. ods repaired in A.D Timeline. 100hr inspection and was determined to be in Lee Taylor A&P 2702401
		16P 2/02401

DATE	March 13, 2020 5945 Hours Total Lycoming 0-360-A4M	Piper PA-28-181 7092.4 Hours Tach L-23457-36A	N3474M 443 Hours SMOH	Repair	Duffy's A
	Changed oil with 8 qts	Phillips 20W50 and Tempest AA481	0-2 filter and cleaned and gapped plugs.		5958.2 F _ Lycomin
			Robert Gaier Lab A Jaies A&P 3495085		- Replace
59	ecember 14, 2020 953.8 Hours Total rooming 0-360-A4M	Piper PA-28-181 7101.2 Hours Tach L-23457-36A	N3474M 451.8 Hours SMOH 2391 Hrs. TT Prop		January 20, 20 5995.1 Hours Lycoming 0-36
		LW-11800 valve springs and SL73906 cked oil suction screen for contaminates	gaskets. Changed oil with 8 qts Phillips 20W50 , found o.k. Cleaned and gapped plugs.	and	Cleaned engin contaminates, leak checked a

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Compression #1- 74/80 #2-74/80 #3-74/80 #4-75/80. Test ran and leak checked o.k.

Allan Hatz A&P 399782276 I certify that thi

Compression #

Duffy's Aircraft Sales &	& Leasing, Inc.		Iterations Number of Technician or Repair
January 28, 2021 5958.2 Hours Total Lycoming 0-360-A4M	Piper PA-28-181 7105.6 Hours Tach L-23457-36A	N3474M 456.2 Hours SMOH	
_ Replaced defective E2	Z-Heat oil pan heater with new unit.		Marie II
- L	helm	Luke Sebentsfeldt A&P 4397188	1.0
January 20, 2022 5995.1 Hours Total Lycoming 0-360-A4M	Piper PA-28-181 7142.3 Hours Tach L-23457-36A	N3474M 493.1Hours SMOH 2432.3 Hrs. TT Prop	
Cleaned engine. Changed contaminates, found o.k. Cleak checked all good.	oil with 8 qts Phillips 20W50 and Temp leaned and gapped plugs. Checked po		action screen for tan engine. Operation and
Compression #1- 74/80 #2	-72/80 #3-72/80 #4-72/80. Test ran and	d leak checked o.k.	
I certify that this engine ha	s been inspected in accordance with a	100hr inspection and was determined	to be in all worthly condition.
11	/ / 1	uke Sebentsfeldt A&P 4397188	

o: WO_924		States American		Repair
		" 10 5-1 M WI 54751	7152211836	
	Gibson Aviation Services · 1400 Inc	dianhead Dr. East · Menomonie, WI 54751 · 7		
13474M ACH: 7186.29	ETT: 6039.09	-A4M, S/N: L-23457-36A ETSMO: 537.09	February 17, 2023	
contaminants four Compressions: #1 and re-installed sl Ground run, ops a was determined to 2. AD22-16-03 DNA. 3. Cleaned and tight 4. Tightened clamps 5. Replaced alternation	nd. Installed new AA48110-2 IIII -75/80, #2-76/80, #3-74/80, #4-73 pork plugs. Verified Mag. to eng	ck satisfactory. cylinder drain.	Removed, cleaned, gapped, tested ssurized exhaust/muffler assembly. cted IAW an Annual Inspection and	
1	1 = 1			
			1	_

wo: WO YE DA N3474 TACH: With res

> March 8, 2 6075.83 H Lycoming (

Aaron S

1. Pe 2. D

Cleaned er contamina

Ran engin Compress

I certify the

wo: WO_924	Cases Australia		Propeller · page 1 of 1	_
	Gibson Aviation Services - 1400 Indianhead Dr. Ea	st - Menomonie, WI 54751 - 715231	1836	Repa
N3474M TACH: 7186.29	McCauley/1A170 PTT: 2476.29		February 17, 2023	_
Annual Inspection ar	I Propeller Inspection. Researched AD's to on the day as determined to be Airworthy at this date back of propeller blades.	date. I certify that this Propeller and time.	r has been inspected IAW an	
With respect to the work pe Aaron Simmons A&P/IA 35	erformed, this propeller is approved for return	to service.		
arch 8, 2024 075.83 Hours Total coming 0-360-A4M	Piper PA-28-181 7223.03 Hours Tach L-23457-36A	N3474M 574 Hours SMOH		
leaned engine. Changed on taminates, found o.k. Cl an engine Operation and	oil with 8 qts Phillips 20W50 and Tempes eaned and gapped plugs. Installed new s eak checked all good.	st AA4810-2 filter and check SL76940 crankshaft oil seal.	ed oil suction screen for Checked left and Right mag	timing
ompression #1- 72/80 #2-	74/80 #3-75/80 #4-78/80. Test ran and le	eak checked o.k.		
certify that this engine has	been inspected in accordance with a 10	Ohr inspection and was dete	ermined to be in airworthy con	dition.
		an Schar P 397983833	4	

Repair

y 15, 2025	Piper PA-28-181 N3474M
091 Hours Total ycoming 0-360-A4M	7238.2 Hours Tach 589 Hours SMOH L-23457-36A —
Cleaned engine. Changed oil wontaminates, found o.k. Clear	with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for med and gapped plugs.
Compression #1- 77/80 #2-78/	80 #3-76/80 #4-76/80, hot. Test ran and leak checked o.k.
I certify that this engine has be	en inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.
	Allan Hatz
	A&P 399782276

RECOR

TACH