21495

## Air Mart.com

AIRCRAFT SALES & BROKERAGE



The Standard

ENGINE LOG

Engine Record General Information	

Manufacturer <u>CYCO</u>	minG	Model <u></u>	540-J3A5D
Serial	3-40A	Type Certifica	te_ E - 795
This engine is currently	installed in a	nircraft: NZ149J	
Minimum Octane Fuel	106CC	Oil Grade Summer	Winter
Magneto Time		Point Setting	Firing Order_
Spark Plug Gap			
Manufacturer's Recomm	ended Overh	aul at 2000 hours	

DATE 2000 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	200/	RECORDING TACH TIME USY, 2	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	422			5.6 SMOH 1.0	6-6-01	457.2		1960.8	
		CH	ANGRO	oil AND oil FILTER JINSTALL OZOGE		,			OF 20WSUXC) COMPRESSIONS #ALL ABOVE 70, LUBED ALL
				E ZOW-SO AND PROTINCED IRA	· .				CONTROLS, CLEANED, GAPPED SPARK PLUGS. CHEAKED MAG
				03 011 FITTED AP 558 082165					TIMING I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
									IN ACCORDANCE WITH A 100 HR INSPECTION AND HAS BEEN
									DETERMINED IN IAN AYRWORTHY CONDITION.
									Mtwh Bolye A+P 332821531
2									TAC454.2-SMOH-36,2
				AIRCRAFT SALE	S & [	BRC	)K	ERA	JATE 6-6-0 TOTAL TIME 1960.8  I HEREBY CERTIFY THAT THIS AIRCHAFT ENGINE HAS BEEN INPECTED IN ACCORDANCE WITH
					1				ANNUAL INSPECTION AND WA
				2					DETERMINED TO BE IN AIRWORTHY CONDITION
					\ <u>-</u>				SIGNATURE CERTIFICATE NUMBER
=									and the state of the Halle of t
© 1991 ASA							-	N.	© 1991 ASA

10 2 2 2 1 2 1 4

	-					Y			
DATE 2001		TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	19	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.)
	462			DNSTAILED NEW CRANKSOAL LWIT	7/01/	63 5381	2 Con	ST. FROM	PREVIOUS PAGE
1/5	486			Changed oil Peppered with 115 30 go yr			,		TIME DUE TO OIL CHANGE BY OWNER 3 HRS AGO.
06/20/02	0501.9		120055	5AXOH 80 9				AIRFILTER	E CLOMENT CONDITION GOD AD'S THROUGH THIS DATE
				Compression checked (20, 2 & 3 &0, 4 &0, 580, 680				Mecler A	FOR COMPLIANCE + ApplicaBILITY. ENGINE RUN-UP
				Mag lining chacked plugs channel, gaps chacked testedok					AS & RED LINE ON TACH, MAG DROPS GOOD, NO
				Oil changed 10gts thill is 2000 added, Oil Filler,					S NOTICED. I CEPTIFY THAT THIS ENGINE HAS
				changed old fitter chacked OK, #13#3 exhaust					NI INSPECTED I.A.W. AN ANNUAL INSPECTION AND
				gaskets changed, I certify that this engine has				WAS	DETERMINED TO BE IN AN AIRWORTHY CONDITION ON
				been inspected in accordance with an Annual				THE	IS DATE. Timothy Dally
				inspection and was determined to be in airworth			TIZE.		12P574584024IA
				condition. Quare fundy 203794853327		PMY			
v			2042.2	12 112 124	7/01/03	Note	AD	02-12-	67 COMPLIANCE DUE BY OCT 1, 2003
07/01/2003	538.6		0	BMOH 117.6					57 Compliance Due By Oct 1, 2003 Jamothy Wallen 57454024AD
18 1 158k	- I			Compression CHECKED - ALL THORRETTER OVER 80.					7
				CLEANED, JAPPED + SPARKTESTED PLYS. INSPECTED	1/9/03	555.0			
	v 3			FUEL SURGERS - ROPLACED CHUBIOS OIL FILTER - INSPECTED	7-5				Oil Changed Benfacer with 15 1000 re
7.				OLD FILTER; NO METAL FOLKID. DID NOT CHANGE OIL					Or Changed Beplaced with 15 sonxic
© 1991 ASA				OLD FILTER; NO METAL FOUND. DID NOT CHANGE UIL  (CONT. NEXT PAGE)					© 1991 ASA

Take harmi 201 Ulli

		PO	WERPLAN	T LOGBOOK —
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
5/04/04	2079.8	155.2	576.2	Performed a 100 hour inspection. Lubricated per chart. Compression checked 72,72,75,75,72,77/80. Mag timing checked. Installed 6 new plugs P/N RHM40E. All plugs Cleaned, gaps checked and tested ok. Installed 4 new spark lead springs P/N M2929. Changed oil & installed 12 qts. Phillips 20W50 added. Removed and inspected old oil filter and installed new oil filter P/N CH48103. Replaced oil filter converter plate gasket with new gasket P/N O6B23072 and marked plate in compliance with A 2002-12-17. Replaced rocker cover gasket on # 5 cyl.
				I certify that this engine has been inspected IAW 100 hour inspection and was determined to be in airworthy condition.  Keli Vul 32 4786/99 AFP
3711				I certify that this engine has been inspected IAV annual inspection and was determined to be in airworthy condition.

DATE   1505	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	600.j		-	Changed oil & installed 119is Phillips 20 w50
8, [	BRC			GE
7	. v			
12				۵ 1 <del>99</del> 1 /

DATE 19_	RECORDING TACH FLIGHT TIME:  Date: 08/04/2005, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 ETT 2118.1, TSMOH  ****Engine***  Completed 100 Hr inspection of engine. Changed oil and filter, serviced engine w/Phillips 20W50 oil. Cleaned and gapped spark plugs. Checked mag timing, cleaned fuel inlet screen on carb. Removed and cleaned oil sump pickup screen, checked ok. Washed engine w/solvent and lubed controls. Run-up and leak checked ok. No visible metal found in old filter. Adjusted engine low end mixture and idle speed. Run-up check, checked ok. AD 2004-10-14, effective date 6/25/2004, Lycoming crank bolt due at prop strike or engine O/H. AD 2005-12-06, effective date 6/6/2005, Mag impulse superseded AD 96-12-07. Due each 500 Hrs, due 922.0 Tach.  I certify that this Engine has been inspected in accordance with an I co Hour inspection and determined to be in airworthy condition.  Pertinent details are on file at this agency under W/O 05 32053  Signed Indianapolis Aviation Inc./Indianapolis Metropolitan Airport, 9913 Willowview Road Fishers IN 46038 FAA approved repair station #AIHR-109c	DATE 19	RECORDING TACH TIME IN TIME IN TIME IN TIME IN TIME IN Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of entries.)  Date: 10/05/2005, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 626.3 ***TEngine*** Removed prop gov, Hartzell model #F-4-21; s/n B5090U. Sent to Aircraft Propeller Service of Ohio for overhaul. See tag attached to airframe log entry. Re-installed prop gov w/new gasket. Run-up leak check, checked ok.  The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 05 33249 dated /0-5-33.  Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport 9913 Willowview Road, Fishers IN 46038 FAA Approved Repair Station #AIHR-109C
-		<u>-</u>	ψ 1991 Φ 1991
			v 1991

മ 1991 ASA

DA1	Date: 10/12/2005 ***Engine*** Adjusted alternate			-236, S/N: 28-7911061 T	ach 630.8	terations lumber of fic entries.)	DATE 19	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.)
	accordance with of determined airwo file at this repair s signed 1 1 1 Indianapolis 9913	current regulation orthy and approventation under W Aviation, Inc/Ir Willowview Roa	ions of the Feder ved for return to I/O # n5-333	6038	and was			aircraft, engine with rmined airwort this repair ed Indianapoli 9913	ine, proper current roorthy and station ures a Aviation Willowvi	approved inder W/O #	ECI cylinders N/A per Lycoming cylinders p/n LW13870  bliance identified above was repaired and inspected in of the Federal Aviation Administration and was for return to service. Pertinent details of the repair are on the Color of the Federal Aviation Administration and was for return to service. Pertinent details of the repair are on the Color of the Federal Aviation Administration and was for return to service. Pertinent details of the repair are on the Color of the Federal Aviation Airport Fishers IN 46038 that ion #AIHR-109C
© 1991 ASA								BRC			9 1991 ASA

m soloos es	Removed starter. Re-installed air cond and alternate Removed magning mag internal time leak checks ok.  The aircraft, en accordance with determined air file at this reparations.	TIME IN SERVICE Entries Technic SERVICE Technic Techni	must be endorsed must be endorsed scian or Repair Facility. (See backgreen PA28-236, S/N: 28-7911) agogo980. Installed repaired like and alternator removed found run-up check ok. Lulse coupling, p/n 10-400325 aneto and timed to engine. Ruppliance identified above was of the Federal Aviation Admit for return to service. Pertine the post-33 4/09 dated 2-2	Adjusted points. Re-set in-up and ops checks and repaired and inspected in nistration and was int details of the repair are on 4.06.	***Engli Change lubrical  The ai accord detern	ed oil and filter. Sed oil	Serviced engination and approved aution, Inc/India	ype: PA28-236, S/line with Phillips 20V check ok. No visib	Inspections, Test and orsed with Name, R. N.: 28-7911061 Tack V50 oil. Washed engine metal found in old above was repaired a ation Administration at Pertinent details of a an Airport oc.	ine w/solvent and filter.	c entries.)
		61									o 1991 A

DATE 19	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs an Entries must be endorsed with Name, Rating and Certification		DATE 19	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 (Contraction)
1991 ASA	1343.9 ***Engine*** Changed oil and lubricate The aircraft, accordance determined a file at this resigned Indiana	engine, point of the current of the	s. Serviced ls. Run-up a propeller, or cent regulation and approven under W ation, Inc/Irowview Ros	engine with Aeroshell 15W50 oil. Washed engine w/solvand leak check ok. No visible metal found in old filter.  r appliance identified above was repaired and inspected ons of the Federal Aviation Administration and was wed for return to service. Pertinent details of the repair a // 0 # 06-34133 dated 6-27-34.  Indianapolis Metropolitan Airport and, Fishers IN 46038 hir Station #AIHR-109C	vent		Date: 09/06/790.5  ***Engine*** 100 Hr inspending w/solvisible metal Compression Adjusted ma Re-safetied (Installed chainstalled print AD 2005-19-replaced at land 2006-10-AD 2006-12-Installed print AD 2006-12-Installed print AD 2006-10-Installed print AD 2006-10-Installed print AD 2006-10-Installed print AD 2006-12-Installed print AD 2006-12-I	ection on elvent and lide found in on check over the protection of	raft: N2149J, Tongine complete abricated control of filter. er 80: #1 77, # engine. er relief valve. on between #2 mp cushion at the date 10/21/2 all on 5/05/2000 e date 6/22/20 e date 7/11/20 has been insponente del on Inc./Indiana ouvview Road	2005, Lycoming crankshafts, Para (g) N/A per crank; s/n (89368) and crank not 0. (Repair station crank s/n is: S109425-1).  106, ECI connecting rods, N/A Para (c) per engine model and overhaul date.  106, ECI cyls, N/A, Lycoming p/n LW13870 cyls installed.  107. The provided HTML reports are on file at this agency under W/O 06-34464.  108. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this agency under W/O 06-34464.  109. The provided HTML reports are on file at this
										D 1991 ASA

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and</b> Entries must be endorsed with Name, Rating and Certificate Technician or Repair Facility. (See back pages for other spe	e Number of	DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alt</b> Entries must be endorsed with Name, Rating and Certificate Nu Technician or Repair Facility. (See back pages for other specific	ımber of
	1405.1 ***Engine*** Un-cowled end	aine. fou	nd faulty a/c	, Type: PA28-236, S/N: 28-7911061 Tach 812.0 Hobbs hose ruptured, marked a/c inop. Washed engine w/solve. run-up leak check ok.		144 ***E Cha	l4.0 Engine*** anged oil and	d filter. S	erviced eng	Type: PA28-236, S/N: 28-7911061 Tach 846.0 Hobbs ine with Phillips 20W50 oil. Washed engine w/solvent and check ok. No visible metal found in old filter.	
	accordance w determined air file at this repa signed Indianap	ith current worthy a air station oolis Avia 013 Willo	nt regulation and approve a under W/C tion, Inc/Ind wview Road	ppliance identified above was repaired and inspected in s of the Federal Aviation Administration and was d for return to service. Pertinent details of the repair are #06-34637 dated 10-23-06, ianapolis Metropolitan Airport, Fishers IN 46038 Station #AIHR-109C		acc dete	ordance with ermined airw at this repair ned Indianapo 991	n current vorthy an r station lul g. lis Aviation 3 Willow	regulations d approved under W/O a subject of the control of the c	pliance identified above was repaired and inspected in of the Federal Aviation Administration and was for return to service. Pertinent details of the repair are on the 7-35032 dated 1-30-07, anapolis Metropolitan Airport Fishers IN 46038 tation #AIHR-109C	
											<del></del>
											====
				e e							

C 4004 ACA

Date: 5/23/2007, Aircraft: N2149J, Type: PA28-236, S/N: 28-7911061 Tach 898.6 Hobbs 1503.2  ***Engine*** Changed oil and filter. Serviced engine with Phillips 20W50 oil. Washed engine w/solvent and lubricated controls. Run-up and leak check ok. No visible metal found in old filter.  Removed and replaced oil cooler p/n 2003A, leak check, checked ok. Removed prop to replaced starter ring gear, p/n 72566, re-installed. Removed starter from a/c. Removed starter Bendix, replaced w/new EBB-131A, replaced 1 starter bolt, p/n LW-31-1.16.	er of s.)	R	ate: 5/30/2007 514.1 Erigine***	Installed	new starte	Description of Inspections, Tests, Repairs and A Entries must be endorsed with Name, Rating and Certificate  Type: PA28-236, S/N: 28-7911061 Tach 908.5 Hobbs  Tring, p/n 72566. Installed new Skytec, p/n 149LN.  Re-installed prop w/new o-ring, operation check,	Number of the entries.)
Re-installed starter bendix and starter. Ops check, checked ok.  The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # O 7.35431 dated 5-2.3-0 7, signed  Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport  9913 Willowview Road, Fishers IN 46038  FAA Approved Repair Station #AIHR-109C		The acceptance of the file	e aircraft, eng cordance with termined airwi e at this repair ined Indianapoli 9913	ine, prop current r orthy and station u s Aviation	eller, or ap regulations I approved nder W/O #	pliance identified above was repaired and inspected in of the Federal Aviation Administration and was for return to service. Pertinent details of the repair are on dated 5-30-07, napolis Metropolitan Airport Fishers IN 46038 tation #AIHR-109C	
						я	
1.ASA	- <u>5 1</u>	-					© 1991 ASA

 *Engine*** hanged oil a bricated co	and filter ntrols. R	. Serviced e un-up and l	J, S/N: 28-7911061 Tach 949.1 Hobbs 1558.6 engine with Phillips 20W50 oil. Washed engine w/solvent and eak check ok. No visible metal found in old filter.	541.3, Tach 962. ***Engine*** 100 Hr inspection 80 M oil. Washed Cleaned, gapped	3, Hobbs of engin l engine v	: 1573.8 ne complete w/solvent ar	ype: PA28-236, S/N: 28-7911061 ETT 2465.9, TSMOH  c. Changed oil and filter. Serviced engine with Aeroshell and lubricated controls. Run-up and leak check ok.	
ccordance vetermined a le at this repigned Landiana	with currairworthy pair stational description of the currant of th	ent regulation and approven under Ware Water Wat	rappliance identified above was repaired and inspected in ons of the Federal Aviation Administration and was ved for return to service. Pertinent details of the repair are on 10 # 0 7-3 5 863 dated 8 - 13 - 2 7 dated 8 - 13 - 2 dated 8	AD 2007-04-19R not installed. AD 2006-20-49 e C/W AD 2005-12 pins IAW TCM M inspected ok. AD Removed #5 cylin w/repaired rocker intake push rod v line, Cht probe, a Removed #4 cylin w/repaired rocker be within limits. F Lycoming Direct Removed inop er	nstalled of 1, eff date 17-06, eff date 16-06, eff de SB645, now touch and resident	cowling. No e 05/07/200 1/03/2006, 0 late 07/19/2 magneto mo e at 2965.9 piston from ew exhaust d, p/n 15F19 led baffles. piston from ew exhaust cted primer erhaul manuater from bo on oil sump.	ottom of oil sump. Cleaned area, installed new EZ Heat, Routed wire, tested, ops check good.	of per property
							nuffler shroud over cracked bolt hole.	

MTE		AZCORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections Tests, Repairs and Alto Entries must be endorsed with Name, Rating and Certificate Nu Technician or Repair Facility. (See back pages for other specific	mber of
	dis eng Re w/r inta line W/r be Lyo Re w/r inta	tributer gear gine and tim moved #1 crepaired rocks. Cht probe moved #2 crepaired rocks within limits coming Direct moved #3 crepaired rocks ake push rocks.	r kits, p/n ed. Work ylinder an kers and and instaylinder an kers and . Re-contot Drive oylinder an kers and d w/new i	10-682016 done IAW and piston frod, p/n 15 alled baffle and piston from exhaunce ted primoverhaul mand piston frow exhaunced, p/n 15 alled baffle and piston from exhaunced, p/n 15 alled baffle and piston from exhaunced.	inspected, and re-assembled magneto w/two new S. Set magneto internal timing. Re-installed magneto on Bendix D-3000 service manual. Tom engine. Installed overhauled cylinder and piston ast valve cap. Measured rocker to valve clearance. Replaced F19957-36 and re-checked clearance. Re-connected primer s. Work done IAW Lycoming Direct Drive overhaul manual. Tom engine. Installed overhauled cylinder and piston ast valve cap. Measured rocker to valve clearance. Found to the line, Cht probe, and installed baffles. Work done IAW anual. Tom engine. Installed overhauled cylinder and piston and piston are line, Cht probe, and installed cylinder and piston anual. Tom engine. Installed overhauled cylinder and piston are valve cap. Measured rocker to valve clearance. Replaced F19957-36 and re-checked clearance. Re-connected primer are. Work done IAW Lycoming Direct Drive overhaul manual.	
				и	AIRCRAFTS	The state of the s

DATE 19	RECORDING Tach Time	TODAYS FLIGHT	TOTAL TIME IN Service	<b>Description of Inspections, Tests, Repairs a</b> Entries must be endorsed with Name, Rating and Certifi Technician or Repair Facility. ( <i>See</i> back pages for other	cate Number of
w/repaire valve rep Re-conne Drive ove I certify the inspection agency us Signed	ed rockers ar laced exhausected primer erhaul manuser this Enginand determine W/O land was 19913 V	nd new east push line, Chal.  ne has been mined to line line line line line line line line	exhaust valve rod w/rod, p. t probe, and been inspect be in airwor 39 . Do c./Indianapol w Road Fish	gine. Installed overhauled cylinder and piston e cap. Measured clearance between rockers and /n 15F19957-34 and re-checked clearance. Installed baffles. Work done IAW Lycoming Direct ed in accordance with an ANNUAL / 100 HR thy condition. Pertinent details are on file at this late: // / / / / / / / / / / / / / / / / /	
					- W.

DATE 19		TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Test Entries must be endorsed with Name, Ra Technician or Repair Facility. (See back p	ating and Certificate Number of	DATE		TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certifica Technician or Repair Facility. (See back pages for other sp	ate Number of
	1585.6  ***Engine*** Changed oil a w/solvent and filter. Performed en	and filter. d lubricat ngine cor	r. Serviced er ted controls. mpression te	engine with Aeroshell 80 Straight Mineral Run-up and leak check ok. No visible mest per owner request. Results are as fol	I oil. Washed engine metal found in old	***Engi Remove #440. C	ne*** ne*** ed inop heat Ops check go	ting pad tood.	from oil sum	pe: PA28-236, S/N: 28-7911061  np. Cleaned area and installed new heating pad, model	
2	The aircraft, e accordance w determined ai file at this rep	e tach che engine, p with curre airworthy pair statio	ecker. Adjust propeller, or a ent regulation and approve on under W/0	appliance identified above was repaired ons of the Federal Aviation Administration yed for return to service. Pertinent details 10 # 0 7-36 2 74 dated 11-12 07,	d and inspected in n and was s of the repair are on	determi file at the	ined airworth his repair sta dianapolis A 9913 W	rrent reg ny and ap tion unde viation, I	pulations of the pproved for the proved for the pro	return to service. Pertinent details of the repair are on 1-36361 dated 12-04-07, dated 12-04-07, dated 18-08-08 Metropolitan Airport hers IN 46038 on #AIHR-109C	
	Indianar 99	9913 Willo	iation, Inc/Ind Iowview Road	ndianapolis Metropolitan Airport ad, Fishers IN 46038 ir Station #AIHR-109C	AFT SALES					√GE **	
o 1991 ASA										.56	0 1991 ASA

DATE 19	RECOR TACH TIME		TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alte</b> Entries must be endorsed with Name, Rating and Certificate Num Technician or Repair Facility. (See back pages for other specific	mber of	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	
	1624.9 ***Engine Changed	e*** I oil and	d filter. S Run up a	erviced eng	ype: PA28-236, S/N: 28-7911061 Tach 1007.4 Hobbs ine w/Aeroshell 15W50 oil. Washed engine w/solvent, eck good. No visible metal found in old filter. rdware IAW Lycoming Service Manual.		***Engine* Changed	19,2 oil and fil	ter. Service	d engine with Aeroshell 15W50 oil. Washed engine w/solvent p and leak check ok. No visible metal found in old filter.	
(	accordand determine file at this signed	ed airw ed airw s repair ianapol 991:	orthy and station lis Aviati	regulations of approved under W/O on, Inc/India view Road,	opliance identified above was repaired and inspected in softhe Federal Aviation Administration and was for return to service. Pertinent details of the repair are on #08-36500 dated 1-17-28, anapolis Metropolitan Airport Fishers IN 46038 Station #AIHR-109C	ALES &	determined file at this signed	d airwort ppair st napolis 9913 V	rrent regula hy and appration under the Aviation, Inc Villowview R	or appliance identified above was repaired and inspected in ations of the Federal Aviation Administration and was roved for return to service. Pertinent details of the repair are on W/O # 08 3 73 74 dated 8 04 08 08 08 08 08 08 08 08 08 08 08 08 08	
-											

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)	DATE 19	TACH TIME	FLIGHT	TIME IN SERVICE	Description of Inspections, 1655, Entries must be endorsed with Name, Rating and Certificate Number of
# * * * * * * * * * * * * * * * * * * *	ETT 2597.9, T  **Engine*** Completed 10  bil. Washed end compression to the service over.  Wrapped fuel Replaced poor Wrapped lead  w/zip-ties.  AD 2004-10-14  AD 2005-12-0-15  **Engine**  **Engine*	SMOH 6  O Hr insp ngine w/s ction scr est over  #2 valve  return lin safety w wire bun  4, eff dat 6, eff dat	ection. Cha ection. Cha colvent and een. Run-u 80: #1 74, # cover and g e at cyl #2 v vire on right dle in anti-o e 6/25/2004 e 7/19/2005	J. Type: PA28-236, S/N: 28-7911061		Date: 8/7/. Tach 1178. ***Engine** Removed p Re-installed Installed he 79886-07. F Replaced ni Removed a alternator af pulleys and  The aircraft, accordance determined a	ropeller. If propeller ilcoil on for Removed ut on fwd Iternator, fter O/H ptensioned engine, pwith curreairworthy	Replaced all whee original with the control of the	Iternator belt, p/n 73965-009, supplied by customer. Ing. torqued, ran engine and ops checked good. Iternator belt, p/n 73965-009, supplied by customer. Ing. torqued, ran engine and ops checked good. Iternator belt, p/n 73965-009, supplied by customer. Ing. torqued, ran engine and ops checked good. Iternator belt, p/n 73965-009, supplied by customer. Ing. torqued, ran engine and ops checked good. Iternator belt, p/n 73965-009, supplied by customer. Ing. torqued, ran engine and ops checked good. Iternator belt, p/n 73965-009, supplied by customer. Iternator
ıi	nspection and agency under Bigned Indianap	determir W/O 08 olis Aviat 9913 Wil	ned to be in -37783 ion Inc./Ind lowview Ro	Inspected in accordance with an ANNUAL 100 HR airworthy condition. Pertinent details are on file at this Date:		signed Indiana	apolis Avia 1913 Willo	ation, Inc/Inc	dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails of the repair are on dianapolis Metropolitan Airport defails

#FIXI

DATE 19	TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description Finspections, 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 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
* C	ach: 1143.0 *Engine** Changed oil ai	nd filter. 1, and se	Cut and insp erviced engir	Type: PA28-236, S/N: 28-7911061  ected oil filter. No metal or debris found. Installed new filter ne with 10qts Aeroshell 15w50 oil. Run-up and leak check  7 306 2440		ETT 2/15.4, ***Engine*** Completed 10 W50 oil. Remengine w/solv Run-up check #1 77, #2 74, AD 2008-19-0 AD 2004-10-1 Installed 6 new I certify that the inspection and agency under Signed	1SMOH 00 Hr ins noved, ins yent and k ok.No r #3 74, # 05, eff. da 14, eff. da w spark his Engin d determ	790.8, Tach pection. Chaspected, and lubricated canetal found 4 78, #5 76, ate 10/20/20 ate 7/19/200 plugs, Chan e has been ined to be in	J, Type: PA28-236, S/N: 28-7911061  1 1211.8, Hcbbs 1851.8  anged oil and filter. Serviced engine with Aeroshell 15 d cleaned oil suction screen. No defects noted. Washed ontrols. Re-installed screen w/new gasket and safetied. in old filter. Performed engine compression check over 80: ,#6 74.  108, ECI cylinders, N/A , Lycoming cylinders installed. 105, Magneto impulse due 1462.3 tach (2965.9 A/CTT). 104, Crankshaft gear bolt due OH or prop strike. 105

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs an</b> Entries must be endorsed with Name, Rating and Certification. Technician or Repair Facility. (See back pages for other seconds)	cate Number of	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.)
F (	CHANGED OI FOUND. INS QUARTS (AEF NORMAL./EN	L AND F TALLED ROSHEL ID/	NEW FILTE L 15W50 MI	Type: PA28-236, S/N: 28-7911061 Tach Time: 1264 T AND INSPECTED OIL FILTER. NO METAL OR DE ER (CH48103-1) AND SERVICED ENGINE WITH 10' ULTI-GRADE OIL). RUN UP NORMAL. LEAK CHEC	EBRIS ————	The aircraft, accordance videtermined a file at this signed	engine, p vith curre inworthy pair statio	910.8 on crankca ropeller, or nt regulatio and approve n under W/	J, Type: PA28-236, S/N: 28-7911061  ase backbone.  appliance identified above was repaired and inspected in ans of the Federal Aviation Administration and was ed for return to service. Pertinent details of the repair are on 0 # 10-39575 dated 5/29 2 grow,  dianapolis Metropolitan Airport
<u></u>						9	913 Willo	wview Roa	d, Fishers IN 46038 r Station #AIHR-109C
					SALES &				AGE
									·
=====									
				37.					,
				Sping 6.1		Ī			
© 1991 ASA									© 1991 AS

19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Al Entries must be endorsed with Name, Rating and Certificate N Technician or Repair Facility. (See back pages for other specification)	lumber of	19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	ach: 1310.5  *Engine*** ound cylinder e-installed. emoved and r hanged oil an	#1 and a eplaced d filter. ( l filter. V	#2 oil drain t engine oil o Cleaned oil s Vashed eng	tubes chafed and leaking. Repaired tubes by welding and quick drain w/new Saf-Air P5000. Suction screen. Serviced engine with Aeroshell 15W50 oil ine w/solvent and lubricated controls. Run-up and leak old oil filter.			ETT 2830.7, T ***Engine*** 100 Hr inspect Cleaned plugs Run-up, leak c AD 2005-12-06 AD 2009-26-12	tion compand fue theck ok. 6, eff dat 2, eff dat	oleted. Oil of screens. C Compress e 7/19/2009 e 2/04/2010	Type: PA28-236, S/N: 28-7911061  1327.1, Hobbs 1977.8  Change not due, (oil changed 11/17/2010 at 1310.5 Tach).  Cleaned air filter. Washed engine w/solvent. Lubed controls.  sion test over 80: #1 74, #2 74, #3 68, #4 78, #5 76, #6 72.  5, Magneto impulse, due 1462.3 Tach (2965.9 A/C TT).  0, ECI cylinders, N/A Lycoming cylinders installed.  4, Crankshaft gear bolt, due upon prop strike.
a	ccordance with etermined airvile at this repail igned Indianapo 991	n current vorthy a r station lis Aviat 3 Willov	t regulation: nd approved under W/O ion, Inc/Indi vview Road	ppliance identified above was repaired and inspected in s of the Federal Aviation Administration and was d for return to service. Pertinent details of the repair are on #10~402/8 dated 1/17/200, sanapolis Metropolitan Airport, Fishers IN 46038 Station #AIHR-109C			nspection and agency under Signed Indianap	olis Aviat	ned to be in 40 3/0 lion Inc./Ind	inspected in accordance with an ANNUAL / 00 HR airworthy condition. Pertinent details are on file at this

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	DATE 19	RECORDING TACH TIME	FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
Ta *** Tro F-4 liq Sy p/r rer ac  Th ac de	ch: 1328.4, F Engine*** Dubleshot production of 1-21, s/n B50 uid lock. Che stem failed to 161510 plug. noved. Proposess.  e aircraft, encordance with termined airweat this repaired indianaposes 991	op not cy 90U and cked god est. Rem Reinsta governo gine, pro h current worthy ar r station	cling. Prop of sent out for od. C/W propoved propelled p	Type: PA28-236, S/N: 28-7911061  cable checked good. Removed prop governor, Hartzell repeller oil control leak test procedure per Lyc. S.I. 1462A. Ider. Found crankshaft plug leaking. Replaced plug w/new er and safetied. Reinstalled same governor that was and leak check ok. Reinstalled cowling removed for appliance identified above was repaired and inspected in the formation of the Federal Aviation Administration and was for return to service. Pertinent details of the repair are on the fishers IN 46038 and the following removed for the Federal Aviation Airport Fishers IN 46038 and the fish	Remover tested clown Alternat from C Alc con torquel old fil	quels, Resor, exhausi	staller staller stall ustall and to met	to Home of A/C  fer.  Irof her  extensi  found  engine  ru line	rowl. Removed sport plugs, degreed, gapped, stal may timing to 23° BTDC torqued bold compressor and broken assembly, removed Removed broken Alternator / starter bolt a bardware, reinstalled starter, alternator, with new locking hardware. Ray engine changed oil and filter, cut open a serviced engine with logis Aeroslall lubed con rols, Torquel all Might intake gastets, and rocky towars—GND—GWee Aff 2627788—
A IAAI WOW									© 1991 ASA

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs a</b> Entries must be endorsed with Name, Rating and Certific Technician or Repair Facility. (See back pages for other	cate Number of	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and J</b> Entries must be endorsed with Name, Rating and Certificate Technician or Repair Facility. (See back pages for other spec	Number of
			Gwerall 25	Anderson Aircraft Services 282 Airport Rd Anderson, IN 46017		4243 E	Ēastlake Bl		CONSTANT AVIATION am AL. 35217 FAA CRS Y4MR806Y 205-849-3838 GINE LOG ENTRY	
	Ir	changed of the spected	old filter no	Date: 8/04/2011 Tach: 1415.4 Serviced engine with 10 qts Aeroshell 15W-50 oil. visible metal found. Engine run and leak check good  AP2848987I		CYLI L certify that	OVED, CLEANDER. GROWN this aircraft, a with current Per	NED, GAPPED, UND RAN ENGII irframe, aircraft e r Federal Aviation	Number 28-7911061 2059  AND REINSTALLED BOTH SPARK PLUGS ON THE #3 NE. NO DEFECTS NOTED. engine, propeller, or appliance has been inspected and repaired in Administration regulations and is approved for return to service. on file at this stajion under work order. M21076	
© 1991 ASA										© 1991 ASA

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	DATE 19	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
		/TT 2	2125.2 Hol			12 1508.3 tad			
	Completed 10	0 hour / A	Annual inspecti	on. Changed oil & filter. Serviced with 11qts Aeroshell metal found. Removed sump screen, checked ok. In-	Drained engine with	gine oil. Replace	ed oil filt Aeroshell	ter and cut of	pen old oil filter, checked free of metal particles. Serviced Washed engine, lubed controls, run up and leak check, checked
	stalled with n	ew crush	washer. Perform	ned compression test with Instrument #1 cal due	ok]	END			
	06/23/2012 \$	N 105 P/	N R374-02CP.	Read as follows: cyl #1 79/80, cyl #3 78/80, cyl#5 5 78/80. Cleaned carb inlet screen and resealed. Cleaned	Shane A. N	orris A&P 2	627788	11	9 /10-
	and ganned si	x snark n	higs. Installed s	six new spark plugs RHM40Es in lower position of each			**	Sim	774
	ovlinder Seal	ed cyl #5	oil return line	C/W AD2005-12-06 eff date 7/19/2005 by removing rvice manual x4000 6.2.2 & TCM MSB 645. Checked					
	ok Next due	500 hours	s 1961.8 tach. A	ATT 3465.4. Cleaned and inspected mag per section 6					
	and section 7	22 723	7.2.4. 7.2.6. 7	2.2.8. 7.2.8. Assembled mag per section 9 with new	10	/17/2012	N2149J	$\mathcal{I}_{\mathcal{I}}(\bigcirc)$	PA-28-236 S/N 28-7911061 1566.0 Tach
_	points P/N 10	)-382588. 25/2004 c	Points installed	d per 9.2.7. Installed mag with new gasket. AD2004-10- bolt due upon prop strike or O/H. Washed engine with	- /				
	solvent & lub	ed contro	ols. Engine run	up & leak checked, Checked ok.					
				ected in accordance with 100 hour / Annual Inspection					open filter, checked free for metal particles or contamination.
_	and was deter	mined air	rworthy and ap	proved for return to service.					engine with 11 qts. Aeroshell 15W50 oil. Washed engine with ock, checked okENDEND
	11		a 11	~	- 1				
	Shane A	Norri	9	AP2627788IA	Shane A. N	orris A&P 2	67788		
	J.	1	Ĭ	1					
					112			ئر	Man 9 Man
_	.1	1		I.	- ( )				

© 1991 ASA

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name Pating and Confident Number of	BATE		•			
Comple cyl #3 7 4/20/20 Added spec. C cylinde Washed cranksh 1961.8 that this and app	ted Annual / 19/80, cyl #4 7 13. Cleaned of the Aeroshell leaned, gappers. Torgued all engine lubed aft s/n 89368, tach. A.D. 20 engine has be	1156.4  00 hour in 8/80, cyl sil sump p 15W50 o d, and tes 1 plugs. T controls, not on Ly 104-10-14 een inspectru to service.	nspection. To #5 78/80, cyl ick up screen il. Cleaned ca ted top spark orqued valve run up and le coming S.B. eff. date 6/2 ted in accordance. –END	A//s/x 0/H /0/19/07 ook hot compression check, read as follows cyl #1 79/80, cyl #2 78/80,	19	mstancu new or	cked ok. END	e with 11 gts Aeroshell 1	S/N 28-7911061  t oil filter open, checked free 5W50 oil. Washed engine, 1	uhed controls run un and
		1	ľ					l		