

N553PG

Aviat Aircraft Inc.
Model: Husky A-1B
S/N 2318

ENGINE LOG
EL-13P

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL **O-360-A1P**

SERIAL NO. **L-40348-36A**

DATE **8-5-05**

Wade M. Hill
(AUTHORIZED REPRESENTATIVE)

LYCOMING
A Textron Company

LYCOMING ENGINES

652 Oliver Street
Williamsport, PA 17701 U.S.A.

Form No. 777-B (Rev. 3/03)

ENGINE DESCRIPTION

MANUFACTURER Lycoming MODEL O-360-A1P

SERIAL NUMBER L-40348-36A

DATE OF MANUFACTURE 8-5-05

RATED BHP _____

RPM _____

MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

INSPECTION & MAINTENANCE RECORD

[illegible]

DATE _____

N999HY

Roy Fellows, A&P, IA 275643582

Roy Johnson

TACH 212.6

N999HY

Changed oil and filter. Serviced with 8 qts Aeroshell 15W50 and new CH48108-1 filter. Run-up and leak check ok.

Rozalben

Roy Fellows

A&P, IA 275643582

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11 Sept 07	Tach 272.3	N999HY
		<p>Compression #1 78/80 #2 73/80 #3 77/80 #4 78/80. Cleaned and gapped spark plugs, checked mag timing. Replaced #1 intake gasket pn 71973, replaced induction air filter pn BA4108, changed oil and filter, serviced with 8 qts Aeroshell 15W50 and new CH48108-1 filter. Run-up and leak check o.k. Engine inspected in accordance with 100 hr. inspection.</p> <p><i>Roy Fellows</i> Roy Fellows A&P, IA 275643582</p>
28 Mar 09	Tach 355.6	N533RG
		<p>Changed oil and filter, serviced with 8 qts. Aeroshell 15W50 and new CH48108-1 filter, run up and leak check ok.</p> <p>Roy Fellows A&P, IA, 275643582 <i>Roy Fellows</i></p>

3 OCT 08

TACH 421

N553RG

✓ Compression check all Cylinders 80/80, adjusted mag timing, clean and gapped spark plugs, cleaned fuel strainers, replaced induction air filter PN BA4108, changed oil and filter. Serviced with 8 qts 15W50 Aeroshell, Run-up and leak check ok. Engine inspected in accordance with a 100 HR inspection

Roy Fellows A&P, IA 275643582

Roy Fellows

4 Jun 09

Tach 469.1

N553RG

Changed oil and filter. Serviced with 8 qts Aeroshell 15W50 and New CH48108-1 filter. Run up and leak check ok.

Roy Fellows A&P, IA, 3376748

Roy Fellows

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1 Oct 09		Tach 520.56 N553RG
		Compression check #1 80/80, #2 80/80, #3 80/80, #4 79/80, checked mag timing, cleaned fuel screen, inspected muffler, cleaned and gapped spark plugs, changed oil and filter, serviced with 8 qts. Aeroshell 15W50 and new CH48108-1 filter, replaced induction air filter pn BA4108, run up and leak check ok. Engine inspected in accordance with a 100 hour inspection.
		Roy Fellows A&P, IA, 3376748 <i>Roy Fellows</i>

[illegible]

DATE _____

Performed annual inspection. Changed oil with Aero Shell 15-50, oil filter checked for metal none found, changed air filter, checked compression #1-80, #3-80, #2-76, #4-78, cleaned spark plugs, timing, stacks, mufflers, hoses, lines, fittings, carb, Alt/Gen, harness seals, mounts, and mags.

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

William H. Kase

AI#261562171

INSPECTION & MAINTENANCE RECORD

DATE

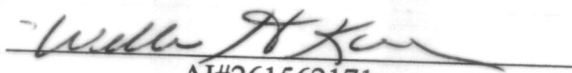
TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

N553RG Date 11/30/11 Tach 649

Performed annual inspection. Changed oil with Aero Shell 15-50, replaced oil filter, changed air filter, checked compression #1-78, #3-78, #2-76, #4-75, cleaned spark plugs, timing, stacks, mufflers, hoses, lines, fittings, carb, Alt., harness seals, mounts, and mags.

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


AI#261562171

2014 Page

[illegible]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>Av-Mech LLC 8900 Airport Blvd Leesburg, FL 34788 352-617-2029</p> <p>Aviat Huskey A1-B N553PG S/N: 2318 Tach: 417.49 Hrs</p> <p>Ran engine and verified proper operation of controls and instrument readings. drained oil and removed filter. Serviced engine with Aeroshell 15W-50 oil and installed new Champion CH48108-1 filter. Cut open old filter and no debris found. Compressions as follows: #1-78/80 #2-78/80 #3-78/80 #4-78/80. Cleaned, gapped and tested all spark plugs. Installed new BA4108 induction air filter. Verified magneto to engine timing. Cleaned fuel strainer. No applicable Airworthiness Directives at this time. Sent oil sample to Avlab for analysis.</p> <p>I certify that I have inspected this ENGINE in accordance with an ANNUAL INSPECTION and have found it to be in a condition for safe operation.</p> <p>Arnold Holmes A&P2712249IA <i>Arnold Holmes</i> 2712249IA 01-10-2014</p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>Av-Mech LLC 8900 Airport Blvd Leesburg, FL 34788 352-617-2029 info@av-mech.com</p> <p>Aviat Husky A-1B S/N:2318 Tach: 722.82 Lycoming O-360-A1P TSMOH: 0.0 Hrs EngTT: 722.82</p> <p>Engine removed from aircraft and prop strike inspection performed. Engine overhauled by Don George LLC Orlando FL under Work Order #9347. Engine reinstalled using new engine Isolator #J-7401-2, new hardware used as needed. Engine serviced with 6 qts of Aeroshell mineral oil with new oil filter Tempest AA48109.</p> <p>I certify that I have inspected this ENGINE in accordance with an ANNUAL INSPECTION and have found it to be in a condition for safe operation.</p> <p>Arnold Holmes A&P2712249IA <u><i>Arnold Holmes</i></u> 01/07/2015</p>

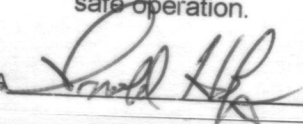
Av-Mech LLC
8900 Airport Blvd
Leesburg, FL 34788
352-617-2029
info@av-mech.com

Aviat Husky A1-B N553PG
S/N: 2318 Tach: 760.43 Hrs ~~ENG: 760.43~~
Lycoming O-360-A4P ~~TSMOH: 37.61 Hrs~~

Compressions as follows: #1—78 #2—78 #3—76 #4—78. Drained carb bowl and no debris noted. All spark plugs cleaned gapped and tested before re-installation. Drained and cleaned Fuel strainer. Verified magneto timing. Lubed control ends as needed. Installed new induction air filter BA3.

I certify that this ENGINE has been inspected on 02-07-2016 in accordance with an ANNUAL INSPECTION and has been found to be in a condition for safe operation.

Arnold Holmes A&P27122491A



02/07/2016

INSPECTION & MAINTENANCE RECORD

LYCOMING O-360-AIP

SN L-40348-36A

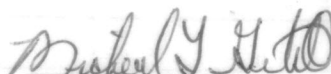
MAY 20, 2014

DATE

This engine was disassembled, cleaned and inspected for propeller strike in accordance with LYCOMING SB475C, SB533 and AD# 2004-10-14. All steel parts were cleaned, visually, dimensionally and magnetic particle inspected and the crankcase was cleaned, visually, dimensionally and liquid penetrant tested by POWER/AVIATION WO#404305. The crankshaft PN 13B27125, SN V537939921, was cleaned, polished, magnetic particle inspected, sized, inspected/repaired per SB475C, SB505B, SB530B, SB549 and SB569...the connecting rods were cleaned, visually, dimensionally, magnetic particle inspected, rebushed, sized and overhauled and the camshaft was cleaned, visually, dimensionally, magnetic particle inspected and reconditioned by D&S CAM CORP. WO#13837. The crankcase was cleaned, primed, painted and cut for crankcase thru-stud o-rings. The crankshaft gear was cleaned, visually, magnetic particle, and dimensionally inspected per SB475C and reassembled with new bolt and lock, torqued to 204 inch lbs with locktab bent, per SB-475C para. 6. The LYCOMING cylinders were disassembled, valves inspected, resealed, repaired as required, springs tested, honed and fitted with new rings by LOTH ENGINEERING WO#8382. The following parts were replaced:

8 ea SL75061 rod bolts	8 ea SL12186 rod nuts	8 ea SL13521A rod bearings
4 ea SL16711A main bearings	8 ea 72198 pin plug	1 ea STD-2246 bolt
2 ea SL13884A nose bearing	4 ea 69603 hoses	4 ea std-1821 hoses
1 ea 75439-1 gasket set	1 ea LW18639 lock	1 ea 61084 spring
1 ea 1028-B ball	4 ea 77611 ex. gaskets	4 ea 12272 locks
4 ea LW14995 springs	24 ea std-1925 v/c screws	1 ea SL74230AP05 exhaust guide
1 ea LW18667 pin	1 ea 14260 seal	4 ea SL73857 oil ring
8 ea SL74241 comp ring	1 ea LW13792 crank seal	1 ea 06A19956 seal
8 ea 12892 shaft plug	1 ea MS16625-2081 clip	1 ea 4373 magneto
1 ea AN565B51032H5 screw	8 ea 15B26262 tappets	1 ea 4370 magneto
8 ea 60009 key	8 ea MS13997-3 key	2 ea STD-713 pin
8 ea 74637 bushing		

This engine reassembled in accordance with LYCOMING OVERHAUL MANUAL and TABLE of LIMITS, PN 60294-7, revision date 7/01/11 and PC-306-6, revision date 6/01/11 with "Times to Continue". New Champion magnetos were installed, SN14040500 on the left and SN14020377 on the right. Engine fitted with test accessories. Engine serviced with 7 quarts AEROSHELL 100 and installed on test stand. Engine operated approx. 1 hour. All temps and pressures monitored were normal. No discrepancies noted at this time. Test accessories removed. Engine is ready for installation of remaining serviceable or new accessories and test run per LYCOMING SI1427B by certificated individual returning this unit to service. No other work performed.


Michael L. Geberth P3472883
(END)

TT 722.82

MAY 20, 2014
AD# 2004-10-14.
dimensionally and
cleaned, visually,
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unkcase thru-stud
with new bolt and
pected, reseated,
e replaced:

guide

ate 7/01/11 and
N14020377 on
rated approx. 1
e is ready for
ng this unit to

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8/13/15	731.03	CHANGED OIL & FILTER 7QT SHELL 100 (STRAIGHT MINERAL OIL) REPLACED CHAMPION CH48108-1 OIL FILTER. RUN UP - NO LEAKS FOUND

Oil Change. Removed Aero Shell 100, added 7 Qt Aero Shell W100 with Lycoming additive P/N LW-16702. Changed oil filter Champion P/N CH48109-1. Old oil filter opened, no debris found. Oil sample sent to Avlab for analysis. Run Up OK, no leaks found.

TT 757.86 Date 11-30-16

Jon Chamber Potter AP 267-60-1063

Oil Change. Removed Aero Shell W100 with Lycoming additive P/N LW-16702, added 7 Qt Aero Shell W100 with Lycoming additive P/N LW-16702. Changed oil filter Champion P/N CH48109-1. Old oil filter opened, no debris found. Oil sump screen removed and inspected, no debris found, re installed with new seal. Oil sample sent to Avlab for analysis. Run Up OK, no leaks found.

TT 781.9 Date 4-27-16

Jon Chamber Potter AP 267-60-1063

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME
3-10-17	TSMOH
	70.72

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Av-Mech LLC

8900 Airport Blvd Leesburg, FL 34788 352-617-2029

DATE 3/10/2017

N553PG

SN L-40348-36A TACH 793.54 HOBBS 0.00 TSMOH 70.72

#1 79 #2 76 #3 74 #4 76 #5 #6

REMOVED, CLEANED AND GAPPED SPARK PLUGS. REINSTALLED SPARK PLUGS WITH NEW GASKETS. CUSTOMER DID NOT WANT TO CHANGE OIL YET. CLEANED FUEL STRAINER. GROUND RAN ENGINE TO CHECK FOR LEAKS AND OPERATION. NO LEAKS FOUND, OPERATION NORMAL. ALL ADS CHECKED THROUGH 3/10/2017.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION

DERRICK DOUGLAS IA AP 3525051

7/13/18

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>Av-Mech LLC 8900 Airport Blvd Leesburg, FL 34788 352-617-2029</p> <p>Aviat Husky A-1B N553PG S/N: 2318 Tach: 798.0 Hrs ENGTT: 798.0 Hrs Lycoming O-360-A1P S/N: L-40348-36A</p> <p>Compressions as follows: #1-78 #2-76 #3-76 #4-76. Drained oil and removed filter, cut filter open and no debris found. Installed new Tempest AA48109-2 and serviced engine with 7 quarts of Aeroshell W100. All plugs pulled, cleaned, gapped and re-installed. Replaced induction air filter with new BA4108. Verified magneto timing. There are no Airworthiness Directives applicable.</p> <p style="text-align: center;">Annual Inspection Statement</p> <p>I certify that this ENGINE has been inspected on 21/DEC/2017 in accordance with an ANNUAL INSPECTION and has been found to be in an airworthy condition.</p> <p style="text-align: center;"> Arnold Holmes IA2712249 21/DEC/2017 </p>
7/13/18	Tach 839	Oil and Filter change 7 qts

DATE: 01-24-2019

ENGINE: Lycoming O-360-A1P

N: N553PG

S/N: L-40348-36A

AGENCY & CERTIFICATE NO.

TSPSTRK: 147.46

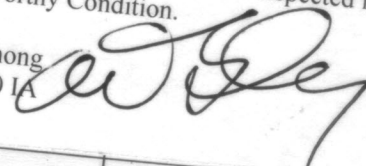
TACH: 870.28

TT: 870.28

Completed Annual inspection. All engine controls and systems inspected in accordance with 14 CFR Part 43 App.D. and checklist. Compression checks: #1 77/80, #2 77/80, #3 78/80, #4 77/80. Drain oil, check and replace oil filter. Cleaned, gapped, and rotated spark plugs. Check and reset magneto to engine timing. Checked and lubricated engine controls. Clean and inspect oil sump screen. No metal found. Retorqued oil filter adapter bolts. Removed, cleaned, tightened oil fill tube with new gasket, P/N 72059; safetied as required. Rerouted & rigged carb heat cable. Adjusted rod end on throttle cable for full travel, reinstalled using new hardware. Fabricated & installed #4 cylinder outer baffle using .032 aluminum as required. Replace air filter element. Refill sump with 8 qt. Aeroshell 15W50. AD's researched through current biweekly period for applicability. Wash engine and cowling. Engine run up checks were satisfactory.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an Airworthy Condition.

Mark D. Bushong
A&P 2689010 IA



Professional Aircraft Services
4824 Earhart Rd, Loveland, CO 80538
970-679-4633

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE: 07-31-2019

N: 553PG

TACH: 891.09

Drained oil, checked and changed oil filter p/n CH48109-1. No metal found. Serviced engine with 8qts. of Aeroshell 15W50 oil. Cleaned and degreased engine, cowling and aircraft belly. Leak check satisfactory.

Terry Cecil
A&P 3258753



Professional Aircraft Services
4824 Earhart Rd, Loveland, CO 80538
970-679-4633

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE
8 Nov	245.0		
03/03/2020			10-30-2020
<p>Inspected engine this date at time of annual inspection. Replaced induction air filter BA 4108. Drained oil, replaced oil filter with BA 48108 and serviced engine with Phillips XC 20W50 oil. Checked cylinder compressions. No 1 76/80, No 2 75/80, No 3 76/80, No 4 76/80. Inspected and cleaned fuel strainer. Serviced and re gapped spark plugs. Ignition timing satisfactory. Inspected heater and flame cone for condition and is satisfactory with no leaks or cracks. Checked engine controls for security and range of movement. Replaced all scat hose with Aviat supplied parts. Engine ground run and inspected for leaks and was satisfactory.</p> <p>Installed Petersen Aviation, Inc Engine STC SE2563CE for use of leaded and unleaded auto fuel and installed all placards and updated Aircraft POH with flight manual supplement. FAA Form 337 attached to aircraft documents.</p> <p>I certify that I have inspected the engine IAW the the requirements of a 100 hour inspection and it is airworthy.</p> <p>R Middleton A/P and IA 3575750 <i>[Signature]</i></p>			

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

10-30-2020 977.0

October 30 2020

Changed oil with Phillips 15W50 and Champion oil filter CH48110-1. Inspected and oil and filter for metal. None found. Washed and test ran engine the re inspected for leaks. None noted. Aircraft approved for return to service this date.

X 

4046827

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
04/20/2021	TT 1000.3	<p>Inspected engine this date at time of annual condition inspection. Replaced induction air filter with BA 4108. Drained oil, replaced oil filter and serviced engine with 8 quarts of Phillips XC 20W50. Checked cylinder compression No 1 75 /80, No 2 76 /80, No 3 76 /80, No 4 76 /80. Inspected and cleaned fuel strainer. Serviced and re gapped spark plugs. Adjusted magneto timing to Slick tolerances. Checked engine controls for security and range of movement.</p> <p>Engine ground run satisfactory.</p> <p>I certify that I have inspected the engine IAW the requirements of a 100hr inspection and it is airworthy. R Middleton A/P IA 3575750</p> <p><i>R. Middleton</i></p>

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

8/12/2022 TTSN 1026.2.2

Inspected engine this date at time of annual condition inspection. Replaced induction air filter with BA4108. Drained oil, inspected filter for contamination and serviced engine with 8 quarts of Phillips XC20W50. Checked cold cylinder compressions, all better than 75/80. Inspected and cleaned fuel strainer. Cleaned and re gapped spark plugs. Ignition timing checked and satisfactory. Checked engine controls for security and range of movement. Engine ground run satisfactory and engine inspected for leaks and washed.

I certify that I have inspected the engine IAW the requirement of a 100hr inspection and it is airworthy.

R Middleton A/P IA 3575750

R Middleton

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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9/27/2023 TTSN 1041.1

Inspected engine this date at time of annual condition inspection. Replaced induction air filter with BA4108. Drained oil, inspected filter for contamination and serviced engine with 8 quarts of Aeroshell W100.

Checked cold cylinder compressions. No 1 76/80, No 2 77/80, No 3 78/80, No 4 77/80. Inspected and cleaned fuel strainer. Serviced and re gapped spark plugs. Ignition timing satisfactory. Checked engine controls for security and range of movement. Engine ground run satisfactory and engine inspected for leaks and washed. Checked torque of all engine sump bolts and engine mount.

Engine muffler, and exhaust checked for security, function and cracking.

I certify that I have inspected the engine IAW the requirement of a 100hr inspection and it is airworthy.

R Middleton A/P IA 3575750

R Middleton

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

02/01/2025 TTSN 1045.0

Inspected engine this date at time of annual condition inspection. Replaced induction air filter with BA4108. Drained oil, inspected filter for contamination and serviced engine with 8 quarts of Aeroshell W100.

Checked cold cylinder compressions. No 1 76/80, No 2 77/80, No 3 78/80, No 4 77/80. Inspected and cleaned fuel strainer. Serviced and re gapped spark plugs. Ignition timing satisfactory. Checked engine controls for security and range of movement. Engine ground run satisfactory and engine inspected for leaks and washed. Checked torque of all engine sump bots and engine mount.

Engine muffler, and exhaust checked for security, function and cracking.

I certify that I have inspected the engine IAW the requirement of a 100hr inspection and it is airworthy.

R Middleton A/P IA 35757500

