Cessna®

ENGINE
AND PROPELLER LOG

N 35230 SERIAL NO. L-20214-36A

Mfgr. Lycoming	Place		Date	
Type S-geared	Model	O-360-A1A-D	Serial No.	L-20214-36A
Rated H. P. 180	Maximum H. P.	180	Weight (Dry)	
Rated R. P. M. 2700	Maximum R. P. M.	2700	Oil Pressure	
Bore	Stroke		Displacement	Cu. In.
Compression Ratio	Supercharger Ratio		Gear Ratio	
Propeller D.C. Sensenich	Hub Design	B2D34C211	Hub Serial No.	750580
Blade Design B2D34-6	*Blade Serial*	*Blade Serial*	*Blade Serial*	
Maximum Hub H. P.	Maximum Blade H. P.			
Pitch 1/12.1°	Diameter	76"	Length	
2/26.0°				

Owner's Name

DATE 19 75	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
3/14	1.8	1.8			Jerry L Ford	
3/25					J. G. Wright Jr	

Engine Type O-360 A1F6D S/N L-20214-36A
N# 35230 Tach Time 100 For AD compliance through 76-5 see rear of A/C log.

COMPRESSION 80# in	1. 76	2. 74	3. 76	4. 74	5.	6.

	P/N	Description	Comment

The above parts installed new. Preventive maintenance completed. Inspection per Part 43 App.D. "I certify that this engine has been inspected in accordance with an 100HR inspection and was determined to be in airworthy condition"
W.O.# _____ Date 4-2-76 Mechanic James E Smith
A+P 5019469

Total Time 100
Engine: I certify That With This Equipment Installed In Accordance With The Requirements Of A 100HR/AN Inspection And Was Determined To Be In Airworthy Condition. AD's Thru 76-5 Complied With: See Pg 13 Signature [illegible] A+P 1968217

EXT PAGE

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

Engine Type O-360-A1F6D S/N L-20214-36A
N# 35230 Tach Time 200 For AD compliance through 76-26-05 see rear of A/C log.

COMPRESSION 80# in	1. 21	2. 63	3. 53	4. 21	5.	6.

	P/N	Description	Comment

The above parts installed new. Preventive maintenance completed. Inspection per Part 43 App.D. "I certify that this engine has been inspected in accordance with an 100 HR inspection and was determined to be in airworthy condition"
W.O. #

7/12/77 Total T
ENGINE
With the Repair
Inspection And
Airworthy Condit
Complied With.

DATE 19	DURATION	TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	NUMBER

Engine Type O-360-A1E6 S/N L-20814-36A
N# 35230 Tach Time 297 For AD compliance through 77-18-5 see rear of A/C log.

COMPRESSION 80# in	1. 78	2. 70	3. 77	4. 77	5.	6.

	P/N	Description	Comment
1	Oil Filter		
6	Spark Plugs	Cleaned & Gapped	

The above parts installed new. Preventive maintenance completed. Inspection per Part 43 App.D. "I certify that this engine has been inspected in accordance with an 100HR inspection and was determined to be in airworthy condition"
W.O.# _____ Date 9-23-77 Mechanic James E Smith
A&P 2019469

TOP OF NEXT PAGE

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	NUMBER

Engine Type O-360-A1FLD S/N L20214-36A
N# 36230 Tach Time 382 For AD compliance through 78-07-10 see rear of A/C log.

COMPRESSION 80# in	1. 77	2. 74	3. 77	4. 77	5.	6.

	P/N	Description	Comment

The above parts installed new. Preventive maintenance completed. Inspection per Part 43 App.D. "I certify that this engine has been inspected in accordance with an 100HR inspection and was determined to be in airworthy condition"
W.O.# _____ Date 5-1-78 Mechanic [signature]

Tach 382
Total Time 382
I certify This Has been Inspected In Accordance With The Requirements Of A&M Part 43 And Was Determined To Be In Airworthy Condition And Complied With All ADs Thru 78-07-10
5-1-78 [signature] 16836

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

Engine Type O360A1F6D S/N L26214-36A
N# 35230 Tach Time 487 For AD compliance through 78-24-06 see rear of A/C log.

COMPRESSION 80# in	1. 76	2. 76	3. 76	4. 77	5.	6.

	P/N	Description	Comment
1	4196-1	O Ring	Fuel Cap

The above parts installed new. Preventive maintenance completed. Inspection per Part 43 App.D. "I certify that this engine has been inspected in accordance with an 100 HR inspection and was determined to be in airworthy condition"
W.O.# _____ Date 12-6-78 Mechanic Lowell Smith
#4120469

I certify this 487 Total Time Engine has been Inspected in Accordance With The Annual Condition Inspection Was Determined To Be In Airworthy Condition And Complied With ADs Thru

TOP OF NEXT PAGE

DATE 19 79	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME IOTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
11/1	TACH	Time		E91.1 Performed Compression Check #1 78/80 #2 78/80 #3 64/80 #4 78/80 Changed OL & Filter Added 5 QT AD - Gapped & Cleaned Plugs - Cleaned Air Filters - Repaired & CARB Air Box - Cleaned Fuel Screen Replaced Magneto to Mag AD '79-18-04 AD's Checked Thru 79-20-03 I Certify That This Engine Has Been Inspected 1/17/80 At 100 Hr Insp And Is Determined to Be In An Airworthy Condition. Edward Mahoney A&P 504324303		
1 Nov 79	TT 891.1	Tach Time		E91.1 I Certify This Engine has been inspected in accordance with the requirements of an Annual inspection & was determined airworthy. Robert J. Gonzales 1843117 EA		

DATE 1981	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME TENTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Dec 26	Tach 886.1			Annual completed this date check comp all cyl		77820
letter, check				mag timing, carb & fuel lines & fuel pump		
water in fuel				change oil & filter Aeroshell 65		
annual due				50 hour inspection 1313 change oil &		56-22
Canceled for				end of day. I CERTIFY THAT THE AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED AIR WORTHY. A+P 2077244		
Sept 10, 81	Tach 911			Change oil & filter 8qts Aeroshell 15W-50 Run engine		
functional check ok. Prom DSty A+P2077244						

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
				Date 4-6-82 Inspection Performed on Powerplant in Compliance with FAR 43: Directives Oil Changed ✓ Screens Cleaned ✓ Sparkplugs Checked and Gapped ✓ Compression ✓ Magnetos and Points ✓ Harness Checked ✓ Fuel System Checked ✓ Filter Cleaned ✓ Propeller and Spinner ✓ Engine Washed ✓ Cowling Checked ✓ Engine Controls ✓ Engine-Run-Up and Checked for Security and Leaks ✓ All AD's Thru 82-6 CW See Last Page For a Complete List of AD's Total Time in Service 935 Tach Reading 935 I Certify that this Powerplant has been inspected in accordance with a ANNUAL inspection and was found to be in airworthy condition. Details of work performed during this inspection are on Work Order # 19806 Signature Leroy Foreman AP# Airframe Inspector SKY HARBOR AIR SERVICE REPAIR STATION #3018 EPPLEY AIRFIELD OMAHA, NEBRASKA 68119	complied with AD 81-18-4 oil pump ROLLER GEAR replacement c/w Lycoming SB. #455 A	

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
10 May 1953	- Tach Time 9954 Compression Ck #1 75/80 2 75/80 3 75/80 4 75/80					
Oil Change	Aeroshell 65W-50 Changed filter. replaced spark plugs R					HM38E
AD's Checked	83-07					

Date 10 May 53 Total Time 9954

I certify this Engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition. Edward F. Dalkiffe #SP/1502164E/0

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME TENTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Comp Ck	CD	# 1 2 3 4			
	Date 12 June 1985 Total Time 1041.4 I certify this Engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition. Edward E. Caldwell A&P 1190716			Changed Oil 50w - Changed filter CFO-100 - Beverly AD 82-20-01 Used engine Compkg D41-2021 10-352555-71 dtd 93010		
11 July 1985	Tach Time 1133.4 - Comp. Check			# 1 2 3 4		
	Date 12 July 1985 Total Time 1133.4 I certify this Engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition. Edward E. Caldwell A&P 1190716			Changed Oil & filter Aeroshell 15W-50 & CFO 100 AD-84-26-02 Inductor Airbox Screen 50 hr (1633.4)		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE 19 86	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
1 Aug 86		Tach Time 1175.4 - Compression ck - All Cylinders 79 over 80				
Changed oil & filter - 100 -						
Date 1-AUG 86 Total Time 1175.4 I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in air-worthy condition. G.F. Wade A+P IA 1792067						
Date 4-SEPT-87 Total Time 1221.1 I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in air-worthy condition.				COMPRESSION 1-76, 2-74, 3-73, 4-75 Cold. CHANGED OIL & FILTER C/W AD 86-24-07 REPLACED BOLTS & NUTS IN THROTTLE & PROP. GOV. RODENDS. G.F. Wade A+P IA 1792067		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE 19	DURATION	TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
				Date 21 Oct 88 Total Time 1380. Tach Time 1380 I certify this Engine has been inspected in accordance with a 100hr inspection and was determined to be in air- worthy condition. LOWELL M. MEINERTS A&P 2074142 IA	Lowell M Meinerts	
				Date 16 JAN 90 Total Time 1363.0 Tach Time 1363.0 I certify this Engine has been inspected in accordance with a 100hr inspection and was determined to be in air- worthy condition. LOWELL M. MEINERTS A&P 2074142 IA	Lowell M Meinerts	

DATE 19	DURATION	TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Comp OK		1- 76		Date 6 FEB 91 Total Time 1387.6		
275 3-14 4-77				I certify this Engine has been		
				inspected in accordance with a 100hr		
				inspection and was determined to be in an		
				~~worthy condition~~ Thomas Hoffmeister, A&P 2074142		
Oct 16, 1991		tac 1430.5		Changed oil filter added seven qts shell 15/50 multi wt. CFO 100 filter wash cowl. check for leaks found OK.	Jeff Cagle A/P 2265907	

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
3-4-92		tach time 1456.0 total time same				
Compression Checked #1 78/80 #3 76/80 #2 78/80 #4 77/80						
Changed oil & filter served with 7qts Quaker St 15W50 oil &						
CFO100 oil filter. Cleaned & Inspected plugs Checked gap Cleaned						
Mag timing inspected & found, Installed new Set Plugs P/N AKAR 44DS						
78-69-0793 engine coupling inspection D41-N-2021 P/N 10-382555-11,						
S/N 93501 7. I certify that this engine has been inspected in accordance						
With an annual inspection and was returned to be in an airworthy						
condition. Robert M. Wilds A+P 31064812 ZTS						

ENGINE LOG

DATE	D	E	LICENSE NUMBER
19			

DATE:06/15/1993 TACH:1509.7 LYCOMING O-360-A1P6D S/N:L-20214-36A T.T.:1509 TSMOH:1509
W/O # 15784

I certify that this engine has been inspected in accordance with an **ANNUAL INSPECTION** per Cessna Service Manual and Jet Air, Inc. forms. Drained oil, removed oil filter and cut open - no metal noted. Installed new CFO-100 oil filter and serviced engine with 7 qts 15W/50 Aeroshell oil. Removed all spark plugs, cleaned, gapped, tested, and re-installed. Checked and set timing. Checked electrical system and harnesses. Checked lines, tubing, and hoses. Checked engine accessories. Checked engine mounts and cradle. Cleaned fuel filter and bowl. Checked induction system. Cleaned induction air filter. Checked and pressure tested exhaust system. Checked and pressure tested heat muff. Checked and lubricated engine and propeller controls. Checked and repaired as necessary engine baffling. Installed new lower cowling lower skin P/N:1752114-12. Installed new propeller control cable P/N:C299506-0105. Installed serviceable muffler, serviceable tag attached to airframe log book. Installed serviceable engine mount cradle, serviceable tag attached to airframe log book. Installed (4) new engine mounts P/N:J9613-49. **Compression tests found all cylinders above 70/80.**

C/W A.D. 92-15-16 and Service Bulletin CF-1-92 REV 1, by visual inspection and aircraft records, found carburetor floats not changed during specified times, A.D. NO LONGER APPLIES.

C/W A.D. 86-26-07 by installation of drilled bolts, castle nuts, and cotter pins, A.D. NO LONGER APPLIES. P. Oliveira A&P 554708301

C/W A.D. 86-19-11 by sumping all fuel drains, next compliance due at pre-flight.

C/W A.D. 76-07-12 by functional testing of ignition switch, found to operate normal, next testing due tach:1609.7.

DATE | DU | W/O # 15784 | LICENSE NUMBER

19

C/W A.D. 84-26-02 by installation of new induction air filter P/N:AM107635PP, next change due tach:2009.7.

C/W A.D. 93-05-06 by visual inspection and aircraft records, ACS/GERDES ignition switch not installed, A.D. NO LONGER APPLIES.

C/W A.D. 92-12-05 by aircraft records, piston pins LW14077 not installed during specified times, A.D. NO LONGER APPLIES.

C/W A.D. 93-05-21 By visual inspection and aircraft records, fuel pump not overhauled during specified dates, A.D. NO LONGER APPLIES.

A.D. 78-09-07R3 magneto impulse coupling inspection due tach:1956.0.

Washed engine and performed engine run-up, no leaks noted. Installed all inspection covers, panels, cabin interior, and engine cowling. Aircraft test flown and found to operate normal. And have found this engine to be in an airworthy condition as of this date.

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition as of this date.

Signed Robert Stillman

Date 6/15/93 W.O. No. 15784

Tach 1509.7 Total Time 1509.7 TSMOH 1509.7

JET AIR, INC.

FAA Certified Repair Station [illegible]

ENGINE LOG

DATE 19	DL	DATE:08/08/1993 TACH:1558.9 LYCOMING O-360-A1F6D S/N:L-20214-36A T.T.:1558 TSMOH:1558 W/O # 15840	LICENSE NUMBER

I certify that this engine has been inspected in accordance with an **50 HOUR INSPECTION** per Cessna Service Manual and Jet Air, Inc. forms. Drained oil, removed oil filter and cut open - no metal noted. Installed new CFO-100 oil filter and serviced engine with 7 qts 15W/50 Aeroshell oil. Removed all spark plugs, cleaned, gapped, tested, and re-installed. Checked and set timing. Checked electrical system and harnesses. Checked lines, tubing, and hoses. Checked engine accessories. Checked engine mounts and cradle. Checked induction system. Cleaned induction air filter. Checked and pressure tested exhaust system. Checked and pressure tested heat muff. Checked and lubricated engine and propeller controls. Checked and repaired as necessary engine baffling.

C/W A.D. 86-19-11 by sumping all fuel drains, next compliance due at pre-flight.
A.D. 84-26-02 installation of new induction air filter P/N:AH107635FP, next change due tach:2009.7.
A.D. 87-20-03R2 visual inspection and measuring of seat rails and seat flanges, next inspection due tach:1609.7.
A.D. 78-09-07R3 magneto impulse coupling inspection due tach:1956.0.
A.D. 76-07-12 functional testing of ignition switch, next testing due tach:1609.7.

Compression tests found all cylinders above 70/80.

Washed engine and performed engine run-up, no leaks noted. Installed all inspection covers, panels, cabin interior, and engine cowling. Aircraft test flown and found to operate normal. And have found this engine to be in an airworthy condition as of this date.

19

DURAT

W/O # 15840

TACH:1558.9 DISCRIBE O-360-A1F6D S/N:L-20216-36A T.T.:1558 TSMOH:1558

LICENSE NUMBER

I certify this ENGINE has been inspected in accordance with an 50 HOUR inspection and was determined to be in airworthy condition as of this date.

Signed Robert A Hamm

Date 5/8/93 W.O. No. 15840

Tach 1558.9 Total Time 1558.9 Engine 1558.9

JET AIR, INC.

FAA Certified Repair Station CRS #JAFR110F

Galesburg, Illinois 61401

ENGINE LOG

DATE		JRE	LICENSE NUMBER
19	**DATE:12/02/1993 TACH:1607 LYCOMING O-360-A1P6D S/N:L-20214-36A T.T.:1607 TSHOH:1607** **W/O # 15800**		

I certify that this engine has been inspected in accordance with an **ANNUAL INSPECTION** per Cessna Service Manual and Jet Air, Inc. forms. Drained oil, removed oil filter and cut open - no metal noted. Installed new CFO-100 oil filter and serviced engine with 7 qts 15W/50 Aeroshell oil. Removed all spark plugs, cleaned, gapped, tested, and re-installed. Checked and set timing. Checked electrical system and harnesses. Checked lines, tubing, and hoses. Checked engine accessories. Checked engine mounts and cradle. Cleaned fuel filter and bowl. Checked induction system. Cleaned induction air filter. Checked and pressure tested exhaust system. Checked and pressure tested heat muffler. Checked and lubricated engine and propeller controls. Checked and repaired as necessary engine baffling. **Compression tests found all cylinders above 70/80. A.D. 84-26-02 installation of new induction air filter P/N:AH107635FP, next change due tach:2009.7. C/W A.D. 87-20-03R2 by visual inspection and measuring of seat rails and seat flanges, all found to be serviceable, next inspection due tach:1707.3. C/W A.D. 86-19-11 by sumping all fuel drains, next compliance due at pre-flight. A.D. 78-09-07R3 magneto impulse coupling inspection due tach:1956.0. C/W A.D. 76-07-12 by functional testing of ignition switch, found to operate normal, next testing due tach:1707.3.** Washed engine and performed engine run-up, no leaks noted. And have found this engine to be in an airworthy condition as of this date.

W/O # 15800

I certify this ENGINE has been inspected
in accordance with an ANNUAL inspection
and was determined to be in airworthy condition
as of this date.

Signed Robert A. Palmer

Date 12/2/93 W.O. No. 15800

Tach 1607 Total Time 1607 from New 1607

JET AIR, INC.
FAA Certified Repair Station CRS #JAFR110F
Galesburg, Illinois 61401

URE	NUMBER

DATE		URE	LICENSE NUMBER
19	**DATE:01/13/1994 TACH:1656.8 LYCOMING O-360-A1F6D S/N:L-20214-36A T.T.:1656 TSHOH:1656** **W/O # 15991**		

I certify that this engine has been inspected in accordance with an **50 HOUR INSPECTION** per Cessna Service Manual and Jet Air, Inc. forms. Drained oil, removed oil filter and cut open - no metal noted. Installed new CFO-100 oil filter and serviced engine with 7 qts 15W/50 Aeroshell oil. Removed all spark plugs, cleaned, gapped, tested, and re-installed. Checked and set timing. Checked electrical system and harnesses. Checked lines, tubing, and hoses. Checked engine accessories. Checked engine mounts and cradle. Checked induction system, Cleaned induction air filter. Checked and pressure tested exhaust system. Checked and pressure tested heat muff. Checked and lubricated engine and propeller controls. Checked and repaired as necessary engine baffling. **Compression tests found all cylinders above 70/80. Vacuum filter P/N:B3-5-1 next change due tach:1707.3. Suction filter P/N:D9-14-5 next change due tach:2009.7.** A.D. 84-26-02 installation of new induction air filter P/N:AM107635FP, next change due tach:2009.7. A.D. 78-09-07R3 magneto impulse coupling inspection due tach:1956.0. A.D. 76-07-12 functional testing of ignition switch, next testing due tach:1909.3. C/W A.D. 86-19-11 by sumping all fuel drains, next compliance due at pre-flight. Washed engine and performed engine run-up, no leaks noted. And have found this engine to be in an airworthy condition as of this date.

19	DURA-

DATE:01/13/1994 TACH:1656.8 LYCOMING O-360-A1P6D S/N:L-20214-36A T.T.:1656 TSHOH:1656
W/O # 15991

LICENSE NUMBER

I certify this Engine has been inspected in accordance with an 50 HR Inspection and was determined to be in airworthy condition as of this date.

Signed [signature]
Date 1/13/94 W.O. No. 15991
Tach. 1656. Total Time 1656 Tach 1656

JET AIR, INC.
FAA Certified Repair Station CRS #JAFR110F
Galesburg, Illinois 61401

DATE 1994	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
1-26		1666	5	INSTALL SEVEN NEW SPARK PLUGS RHM38E.		

MAINTENANCE RELEASE

This component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this location under work order 16754, Date 1-26 94
Signature Thos A Jensen, Type of Certificate/Number A&P 4644213 for CMS SERVICES STC Aviation, Inc., St. Cloud, MN 56302.

A/C Model Cessna 177B

S/N 17702278

Reg. No. N35230

LYC Eng. Mod. O-360-A1F6D

TET Cycles 1682.4

GIBBS SERVICE CENTER

Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station #VT3R931L

Date 2-23-94

W.O. # 15169

Eng. S/N L-20214-36A

Eng. S/N -0-

TACH 1682.4

R/H Engine -0-

L/H Engine -0-

AirFrame -0-

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the Repair/Replacement are on file at this agency under Order No. 15169

Date 2-23-94 Signed JEFF RUNYON

INSP

Drained oil, inspected suction screen, inspected and replaced oil filter. Servied engine with 8 qts of A/S 15W-50 oil. Removed exhaust system. Resurfaced all exh. stack flanges, resurfaced #3 - 4 cyl exh ports. Replaced airbox shaft valve and bearings. Replaced mixture control arm. Replaced carb. heat box intake screen. Replaced alt. bracket. Replaced all valve cover gaskets. Replaced main intake air duct. Replaced #2-4 cyl intake hoses. Replaced #1b & 3b HT leads. Washed engine and cowl.
Run up Ok. No leaks.

19	DURATION	TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS		NUMBER

GIBBS SERVICE CENTER
Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station #VT3R931L

A/C Model Cessna 177B
S/N 177B02278
Reg. No. N35230
Eng. Mod. LYC O-360-A1F6D Eng. S/N L-20214-36A Eng. S/N -0-
TET ~~Cycles~~ 1690.6 R/H Engine -0- L/H Engine -0-

Date 7-15-94
W.O. # 15362
TACH 1690.6
AirFrame -0-

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the Repair/Replacement are on file at this agency under Order No. 15362

Date 7-15-94 Signed JEFF RUNYON

Drained oil, inspected and replaced oil filter. Serviced engine 8 qts A/S 15w-50 oil. Washed engine, runup ok, no leaks.

A/C Model Cessna 177B

S/N 17702278

Reg. No. N3523Q

Eng. Mod. LYC. O-360-A1F6D

TET Cycles 1701.2

GIBBS SERVICE CENTER

Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station #VT3R931L

Date 1-16-95

W.O. # 15534

Eng. S/N L-20214-36A

R/H Engine -0-

Eng. S/N -0-

L/H Engine -0-

TACH 1701.2

AirFrame 1701.2

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the Repair/Replacement are on file at this agency under Order No. 15534

Date 1-16-95 Signed JEFF RUNYON

3 INSP

Annual Inspection Completed this date. Drained oil, inspected and replaced oil filter. Serviced engine 8 qts A/S 50W and 6 oz LW16702 additive. Installed missing fuel pump drain. Replaced cabin heat duct @ #4cyl. Removed mag replaced distributor block and reassembled. Set E-gap on both points, C/W AD7809-07R2 Bendix Impulse coupling I/A/W BSB 599B. All checks within limits Magneto P/N D4LN-2021 S/N 935017. Next due @ 2201. Compression as follows: 1. 76/80 2. 75/80 3. 78/80 4. 78/80. Runup Ok. No leaks.

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

A/C Model Cessna 177B

S/N 17702276

Reg. No. N3523Q

LYC ~~Eng. Mod.~~ O-360-A1F6

TET ~~Cycles~~ 1725.6

GIBBS SERVICE CENTER

Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station #VT3R931L

Date 10-6-95

W.O. # 15932

Eng. S/N L-20214-36A S/N -0-

TACH 1725.6

R/H Engine -0- L/H Engine -0-

AirFrame -0-

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the Repair/Replacement are on file at this agency under Order No. 15932

Date 10-6-95 Signed JEFF BUNYON

3 INSP

Drained oil, inspected and replaced oil filter. Serviced engine with 8 qts. of A/S 50W oil and 6 oz LW 16702 additive. Cleaned engine. Lubed starter Bendix. Runup Ok. No leaks.

DATE

19

LICENSE NUMBER

A/C Model Cessna 177B

S/N 17702278

Reg. No. N3523Q

Eng. Mod. LYC O-360-A1F6D

cycles

GIBBS SERVICE CENTER
Montgomery Field, San Diego, CA 92123
FAA Approved Repair Station #VT3R931L

Date 12-5-95

W.O. # 16004

Eng. S/N L20214-36A

R/H Engine -0-

Eng. S/N -0-

L/H Engine -0-

TACH 1732.8

AirFrame 1732.8

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the Repair/Replacement are on file at this agency under Order No. 16004

Date 12-5-96 Signed

Starter inter. Towed A/C to Maint. Removed cowl. Removed air filter & upper airbox. Removed #1 cyl. baffle assy. Removed FWD starter baffle. Removed starter & sent out for repair. Reinstalled starter after repair, using new nuts, lockwashers. Reinstalled airbox, filter & baffles. Funct check Ok. Reinstalled cowl. Returned aircraft to customers hanger.

LICENSE NUMBER

Date 3-16-96 Tach/~~Hr. Meter~~ 1751.5 Total SMOH# 1751.5 Total Time 1751.5

Checked compression #1 75 /80, #2 79 /80, #3 76 /80, #4 78 /80, #5 ____ /80, #6 ____ /80

Changed oil and ~~cleaned oil screen~~/changed oil filter. Added 7 qt 15w-50 oil. Cleaned and gapped spark plugs.

Checked engine timing. CHECKED HEAT MUFF-OK, CHECKED OIL FILTER-OK.

I certify that this engine has been inspected in accordance with A 100 HR inspection and ____'s ~~operation specification manual for part 135 end~~ was determined to be in airworthy condition.

Name D. Grimshaw Certificate Number 471906828 A+P

5-30-96		TACH		1779.0	7 QTS	PHILLIPS X-C0 20W50		H Buston	
7-10-96		"		1804.0	"	"	"	"	
8-10-96		"		1840.0	"	"	"	"	
9-30-96		"		1870.0	"	"	"	"	
11-05	96			1902.0	"	"	"	"	
11-05-	96	INST RELEP		HOT PAD TO ENG. SUMP		H Buston	13156E8		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

2/25-97	"	1945	8 QT	"	"	"	"	

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
4-3-97		1958.	8	Performed Annual inspection IAW Check List.		
				Changed oil and Filter, Checked old Filter for Contamination		
				-9E, Cleaned and Gapped plugs,	Added 2 qts 20W50	
				XC Phillips, Compression ① 74/80 ② 78/80 ③ 70/80 ④ 78/80.		
				Removed Magneto, Replaced impulse Coupling spring		
				PN 10-51324 PER CESSNA SEB 97-2	Reinstalled Magneto.	
				C/W AD 96-12-07 impulse Coupling inspection -- NEXT DUE		
				2458.8 HRS.		
5-30-97	1990	79	20	50 XC H Custer		
				I certify that this Engine has been inspected in accordance with a Annual inspection and is determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under work order No 6735 Tach time Total time 1958.8 Date 4-3-97 Signed M. Johnson		
				HEARTLAND AVIATION, INC. 3800 STARR AVENUE, SUITE 1 EAU CLAIRE, WI 54703-9567 REPAIR STATION NO. AZNR350C		
6-28-97	2008	20	08	OIL & FILTER 80° 10W50		
8-25 97	90	49	TT	OIL - 79° 10W50 H Custer		
10-06 97	73	20	78	" " " "		

DATE 19 98	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME TENTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
21 JAN		2116	5	Changed Oil And Filter With 8 qts of 20W50 Phillips 66 T/C Oil And champions F:lter CFO-100. Dana Pickup A&P 3994896 3		
		2146	0	3-23-98 7 QT 10W50 PHILLIPS		
4/27/98		2172.2		2172.2 SMOH Engine compression as follows #1 74/80 #2 78/80 #3 74/80 #4 76/80. Oil and filter changed with Phillips 20W50 oil and CFO 100 oil filter. Checked mag timing. Pulled every baffel seal as needed. Cleaned and rotated plugs. Checked ADs through Bi Weekly 98-07 (see list in rear of aircraft log.)		
				I certify that this aircraft has been inspected according to an annual insp and is in airworthy condition at this time Richard Nelson	1992283	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE 1998	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME TENTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
7-2		2205	.0	OIL CHANGE 8 QT 20W 50	A Burton	
7-29		2233	.0	" " " "	A Burton	
9-18		2255	0	" " " "	A Burton	
12/99		2289		" " 7 qts 20W 50	T Holloway / J McCabe	
5/1/99	TACK	2303		Engine compression as follows #1 75/80 #2 72/80 #3 74/80 #4 76/80. Installed reconditioned spark plugs. Oil and filter changed, CFO 106 oil filter 20-50 Oil Checked oil pres electrical connection. Performed all normal maintance. Checked through Bi weekly 99.08 (see list in aircraft log)	AO	

I certify that this engine has been inspected according to an annual insp and is in airworthy condition at this time

Richard Nealis 1992 28 2 TO

DATE 19 99	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME TENTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
7-8-99		2344		OIL & FILTER CHANGED 7 QTS 20W 50	H Burton CFI 17	18688
9-1-99		2387		" " " " "	H Burton CFI 17	18688
11-17-99		2428		" " " " "	H Burton CFI 17	18688
2-7-00		2460		" — " 7 QTS "	H Burton CFI 17	18688
4-27-00		2483		" — " 7 QTS "	H Burton CFI 17	18688
4-27-00		2488		REPLACED VOLTAGE REG H Burton w/ PN RISV00REVA SN# M1K011	H Burton CFI 17	18688

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
2000		HOURS	10THS			
6/6/00	2489			JUNE 5 2000 TACK TIME 2489 2489 SMOH ANNUAL INSPECTION COMPLETTED IN ACCORDANCE WITH FAR 43 APPENDIX D, ENGINE COMPRESSION AS FOLLOWS #1 74/80, #2 75/80, #3 60/80, #4 72/80, REMOVED NO. 3 CYL DUE TO LOW COMPRESSION (FOUND BROKEN RING) REPLACED CYL. WITH A USED SERVICABLE CROME CYL WITH NEW STEEL RINGS ALL WORK WAS DONE ACCORDING TO THE LYC. SERVICE MANUAL. OIL WAS CHANGED WITH SHELL NON DET OIL. .CHECKED Ads THROUGH BI WEEKLY 2000-10, (SEE LIST IN REAR OF ENGINE LOG). PREFORMED ALL NORMAL MAINTANCE. THE ENGINE WAS TEST RUN WITH NO LEAKS FOUND AND RELEASED FOR SERVICE.		
				RICHARD NERLING 1992283 IA	Richard Nerling	

DATE 2000	DURATION	ACCUMULATED TOTAL TIME HOURS	10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
6-23		2499	0	OIL CHANGED 7 QTS 20W50 X-C H Burton		
8-03		2530	0	" " " " H Burton		
8-05		2530	0	NEW GPS DATA CARD H Burton		$162.00
9-25		2565	0	OIL CHANGED 7 QT 20W50XC H Burton		
12-04		2601	0	" " " " "		
12-04		"	"	NOSE WHEEL SKIRT REMOVED / BEARING REPACKED		
2001						
2-21		2625		OIL CHANGED 7 QT 20W50XC H Burton		
4-16	.670			" " " " H Burton		

February 22, 2001

N3523Q Cessna Cardinal 177B S/N 17702278 Tach 2625.2 Hrs

Removed upper cowl, drained oil, installed 8 quarts 20W50XC, installed upper cowl.
THE AIRCRAFT, ENGINE, PROPELLER AND OR APPPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE..

JIM BARKER A&P 460586675 AVIATION RESOURCES, LLC

DATE	DURATION	ACCUMULATED TOTAL TIME HOURS	ACCUMULATED TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
June 1						
6-28		16860		50 H. of New 197 HRS 1000		
	100 HR			Inspection Completed This date Oil Filter		
Changed. Checked Compression #1-70 #2-74 #3-75 #4-70						
all Checked. Plugs Cleaned & Gaped. Exhaust System						
Checked muffler inspected Checked Controls for travel						
and movement. New Air Filter installed Oil 20-50						
Phillips						

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

Date June 28, 2001 T. T. 16860

DAVID N. WATERMAN A & P [illegible] IA

Signature David N Waterman

DATE 19	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME TENTHS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Sept	9/01	2745		Removed engine for overhaul. Richard Helms	1992283 A&P	
11/5/01		2745		Engine was completely disassembled for overhaul. All machine work was done by Baldwin aviation Invoice # 17102. Engine was reassembled according to the Lyc. overhaul manual using new cast Mallineon cyls., new standard main and rod bearings, new oil pump impeller kit SL 18109A-S, new lifters & lead plungers, new rod bolts # 75061 new nuts # SL 12156. The accessories (alt, carb, mags, starter were rebuilt, new were harness, spark plugs, new gaskets and seals. New engine Baffel seals were installed at this time. The engine was prelubed with Phillips 20-50 eng oil. MM.		

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DATE 2001 19	DURATION	ACCUMULATED TOTAL TIME HOURS	TOTAL TIME 10THS	REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
11/15/01	2745			and test run with no leaks and released for service.		
				SMOH 0	Richard Harling	1992283 IA
	2752			OIL CHANGED REPLACED W/ 20-50 BREAK-IN OIL		
					HUSTON	
	2767			OIL CHANGED PHILLIP X-C 10W50	7 QTS HUSTON	
4-10-02	TACH Reads 2792.8					
				Removed Engine For Teardown Insp.	Steven Q. Mugge	A&P 471780408 IA
				END		

MEMORANDA

Date	
10/31/79	AD 79-18-04 C/W By Installing New Mag Rebuilt Mag Ap/S04324303
12/26/80	AD 78-07-07R2 Prop Flex Coupling Insp Every 500 hrs due at 1191 D Sg A+P20 7744
12/26/80	AD 78-18-04 N/A S/N
12/26/80	AD 79-12-07 N/A Model #
12/26/80	AD 79-18-04 N/A S/N
12/26/80	AD 80-17-14 Check dist block + install seal kit D Sg A+P20 7744
12/26/80	AD 80-25-07 Check O/J Cooler N/A Model S/N D Sg A+P20 7744
12/26/80	AD 80-25-07 INSTALLED LW 18271 KIT Larry Towner CRS 3018
7-6-82	AD 81-18-4 52-21-1 Rem, insp. ck & Dahl Aff 1190216 A&P
7-26-82	induction Air filter Due at each 100 hrs) & Dahl Aff 1190216 A&P
8-1-82	Rebuilt Oil pump N/A & Dahl Aff 1190216 A&P
9-26-82	Manual Landing Gear - AD 81-5 - Nut & Arm installed with new kits & Dahl Aff 1190216 A&P
86-24-07	ENGINE CONTROL ROD ENDS (ONE TIME) Glenn Stroyd A&P 5566412 Ken Johnson A2NR3500
87-1-3	PISTON PINS N/A 7-3-87 Larry Towner A2NR3500
96-9-10	O/J Pump Gears N/A Previously C/W Per AD 81-18-4 J-3-97