

10-340-11B6D

Engine for Cardinal R.G.

Cessna[®]



ENGINE AND PROPELLER LOG

N

~~27500~~

SERIAL NO.

L-12340-51A

8028G

ENGINE DESCRIPTION

Mfgr.	<i>Lycoming</i>		Place	Date
Type	<i>H-opposed</i>		Model <i>IO-360-A1B6D</i>	Serial No. <i>L-12340-51A</i>
Rated H. P.	<i>200</i>	Maximum H. P.	<i>200</i>	Weight (Dry)
Rated R. P. M.	<i>2700</i>	Maximum R. P. M.	<i>2700</i>	Oil Pressure
Bore	Stroke	Displacement	Cu. In.	
Compression Ratio	Supercharger Ratio	Gear Ratio		
Propeller	<i>McCawley</i>	Hub Design <i>B2D34C207</i>	Hub Serial No.	<i>763973</i> 51457
Blade Design	<i>787CA-C</i>	Blade Serial	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.			
Pitch	<i>h/12.9°</i>	Diameter	<i>78"</i>	Length
	<i>h/27.5°</i>			
Owner's Name				
Address		City	State	

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				7-18-74 Oil and filter changed, Conrod 50 detodgerent.		
				"We certify that this aircraft received a <u>50 hour</u> inspection and was determined to be in an airworthy condition."		
				CESSNA AIRCRAFT CO. MMF 3349		
				Date <u>7-18-74</u> T.T. <u>56.3</u>		
				Signature <u>Earl Rigge</u>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				22 JAN 75 REPLACED MANIFOLD PRESSURE/FUEL PRESS. GAGE - P/N 6080-1138, SERIAL 70822 found gage - PP 2158989 T.T. 183.5		
				DATE 2 MAR 75 T.T. 2530 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr/200 hr INSPECTION AND WAS DETER- MINED TO BE IN AIRWORTHY CONDITION. SIGNED <i>[Signature]</i> LICENSE PP 2158989 HINSON AIRWAYS INC. BALTIMORE, MARYLAND		
						1.014 - AEROSHELL 80w # OF-11A

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
G.M. 475				T.T. 281.0 of W AD 75-09-15 (BENDIX SER. LTR. RS-43) Smoky Mountain Aero - AP 2158289		
7/1/75		307	4	changed oil Aeroshell 80		
11-14-75		379	6	Cleaned plugs, #1, #2, #3, #4 checked leads & mag's, changed oil to Aero Shell 80, checked Exhaust System, checked Alternator & Belt, checked Starter, checked Engine Mount, checked all fuel & oil lines, Engine Contacts checked, ENGINE and checked & OK.		
				I certify that this <u>Engine</u> has been inspected in accordance with a make & model inspection and was determined to be in airworthy condition Date <u>11-14-75</u> Signature <u>[Signature]</u> SMOKY MOUNTAIN AERO, INC.		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 76 3-15	TL	423	0	Complied with AD 7508-09 in accordance with licensing Service Bulletin 381 c replacing Oil Pump Wadcutt Key Drive and impeller replacement. Run up checked OK & serviced with 7 qts Aeroshell #40 40W oil and replaced oil filter Norman Debing A+P 2021753		
7-2-76	TT	489.8		100 HR COMPRESSION TEST #1 75/80 #2 76/80 #3 75/80 #4 78/80 INSTALLED NEW LOWER PLUGS (RHMBRE) CLEANED & GAPPED UPPER PLUGS, CHECKED LEADS & INSTALLED NEW #3 B LEAD, CHECKED TIMING, INSPECTED ALL ENG. BAFFLES, INTAKE & EXHAUST SYSTEMS, CHECKED STARTER BRUSHES & ALTERNATOR BELT, CHECKED FUEL & OIL LINES AND ENG. CONTROLS. INSTALLED NEW INLET AIR FILTER & VACUUM RELIEF FILTER. CHANGED OIL FILTER AND SERVICED WITH 7 QTS AEROSHELL 50 W. ENGINE GROUND RUN OK		
<p>I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>100 HR</u> inspection and was determined to be in airworthy condition.</p> <p>Date: <u>7-2-76</u> Signature: <u>Charles W. Lucke</u> AP 318428774</p>						

SMOXYMOUNTAIN AERO, INC. CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENS NUMBER
		HOURS	10THS			
19 79						
2/21	TACH TACH	772.0 792.7		100 HR. INSPECTION: COMPRESSION CHECK: #1 75/80 #2 75/80 #3 77/80 #4 76/80. CHECKED OIL AND FUEL SCREENS, INDUCTION SYSTEM, EXHAUST SYSTEM, AND ELECTRICAL. CLEANED AND GAPPED PLUGS, REPLACED 4 BOTTOM WITH PROPER TYPE, REPLACED MAG POINTS AND OIL SEAL, RE-TIMED TO ENGINE. CHECKED IGN. LEADS, BAFFLES, HOSES. PROP BLADES WERE DRESSED AND RE-PAINTED. ENGINE CHECKED FOR GENERAL COND. RAN AND RETURNED TO SERVICE. -END-		
				I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>100 HR.</u> inspection and was determined to be in airworthy condition Date <u>2/21/78</u> Signature <u>Michael J. Chapman</u> SMOKY MOUNTAIN AERO, INC. A+P 344466114	I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition Date <u>2-23-78</u> Signature <u>John L. Stillworth</u> A+P 1556182 SMOKY MOUNTAIN AERO, INC.	

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MAINTENANCE RELEASE

DATE

DU

19

Bendix MAGNETO Model D4LU-2021

S/N 3093 K Spec. No. 10-382555-11

The component identified above was repaired and inspected in accordance with Federal Air regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order No. R.O. 972587

Date 2-21-80 Signed [Signature]

Authorized Individual



**Electrical
Components
Division**

Sidney, New York 13838

Certificate No. 1012

ML-261-1

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ENGINE LOG

DATE 19 81	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICE NUM
		HOURS	10THS			
5-9		1139.5		Install O ring (intake) left side - Install intake gasket left side - Install blow by exhaust gasket, exhaust stud, screws + nuts, muffler shroud, left side. Clean engine S. J. HAN AP41054055		
12-10		1175.5		REMOVED engine due To bad DAMPER CRACK IN CRANKSHAFT CHEEK of CRANKSHAFT CRANKSHAFT DAMPER MOUNT. CHEEK. ENGINE DISASSEMBLED FOR OVERHAUL. S. J. HAN AP41054055		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICEN NUMB	
		HOURS	10THS				
1995 MAY 12		1175	05	ENGINE OVERHAULED AND ASSEMBLED IN ACCORDANCE WITH GEN LYCOMING DIRECT DRIVE OVERHAUL MANUAL APPLICABLE SERVICE LETTERS SERVICE BULLETINS AND SERVICE INSTRUCTIONS TO DATE. ALL APPLICABLE AIRWORTHINESS DIRECTIVES COMPLIED WITH TO DATE. CRANKCASE SENT TO ENGINE COMPONENTS INC. FOR REWORK AND CERTIFICATION. CRANKSHAFT OBTAINED FROM AIRCRAFT SPECIALTIES INTERNATIONAL WITH MAIN BEARING SURFACES SABLAD TO MO10 AND ROD BEARINGS SURFACES GROUND TO MO06 AND ALL BEARING SURFACES RE-NITRIDED. ALL FOUR CONNECTING ROD ASSEMBLIES INSPECTED AND REBUSHED BY EL RENO AVIATION. NEW MAIN BEARINGS INSTALLED PN LW 11020 M10. NEW ROD BEARINGS ASSEMBLED LW 13212 MO06. NEW PISTON PINS INSTALLED SL 13444-1. NEW CONNECTING ROD BOLTS INSTALLED THAT ARE MARKED SL 75060 AND LW 12186 ROD BOLT NUTS USED / COUNTERWEIGHT REPLACED WITH NEW AND NEW CRANKSHAFT COUNTERWEIGHT BUSHINGS ROLLERS WASHERS AND RETAINING RINGS INSTALLED. NEW O/R'S			

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICE NUM
		HOURS	10THS			
1995				LW-11754 CRANKSHAFT Treated with AEROLUBE INSTALLED 8 RECONDITIONED HYDRAULIC TAPPET BODIES 72877. NEW SL-102075 PISTONS INSTALLED. ALL CYLINDERS CHROMED AND RECONDITIONED. 3 CYLINDERS REWORKED BY ENGINE COMPONENTS INCORPORATED AND ONE CYLINDER REWORKED BY HERD CHROME INC. ALL CYLINDERS W/ A VENTURI INTAKE VALVE SEATS. CYLINDERS ASSEMBLED WITH NEW SL 16740 EXHAUST VALVES AND LW 13338 INTAKE ROTOR TYPE VALVES. NEW ROCKER ARM SHAFTS VALVE SP AND VALVE SPRING SEATS AND KEEPERS INSTALLED. NEW PUSH RODS PUSH ROD HOUSINGS AND SEALS INSTALLED NEW CAST IRON RINGS ^{SP} INSTALLED SL 5401-A1. NEW MAJOR OVERHAUL WASKEY SET SL 12944. CRANKSHAFT GEAR REWORKED IN ACCORDANCE Lvc. 58 475 BY A.F.R.C AVIATION. NEW AN8-14A CRANKSHAFT GEAR BOLT INSTALLED. NEW SL 18109-5 OIL PUMP IMPELLER KIT INSTALLED NEW DUAL DIAPHRAGM FUEL PUMP LW-15473 INSTALLED		

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ENGINE LOG

REPAIRS --- ADJUSTMENTS

DATE: 19
 DURATION
 ACCUMULATED TOTAL TIME
 HOURS 10THS

SIGNATURE
 LICENSE NUMBER

NEW GASKET AND TWO NEW STD-1887 BOLTS. New cylinder air
 DRAIN TUBES NIPPERS HOSES AND CLAMPS INSTALLED. 3 NEW
 PUSH RODS WITH TELP DYNE CONTINENTAL MASTER SERVICE MANUAL REBUILT IN ACCORDANCE
 WITH TELP DYNE MAGNETO D4LN-2021 WITH NEW POINTS
 DISTRIBUTOR GEARS BEARINGS COIL RETENTION KIT CAM CAM RETAINING SCREW!
 NEW IMPULSE COUPLING 'CAM PN-400147-9 AND NEW SPRING PN 10551324
 INSTALLED. NEW MAGNETO TEST STAND. MAGNETO SERIAL NO. 15,3093K
 TESTED ON MAGNETO WEATHER IGNITION HARNESS INSTALLED WITH
 NEW SWICK ALL WEATHER SPARK PLUGS. MAGNETO TIMED TO ENGINE
 ALBANY MSR-86 CRANK SHAFT GEAR ACCOMPLISHED AT SAVERMAN
 STARTER OVERHAULED WITH NEW DRIVE DE BEARING AND TERMINAL
 AD 91-14-29 CRANK SHAFT GEAR ACCOMPLISHED AT SAVERMAN
 IN ACCORDANCE WITH SB 475 B. CONNECTING ROD BOLTS INSPECTED
 IN ACCORDANCE WITH AD 95-07-01 AND ALL BOLTS MARKED SLTS 0600

John N. Shelton A4P 1211436

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE

19 95

DL

6-7-95 TA

(At

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WARRANTY

AVCO LYCOMING Model IO-360A1B6D Serial No. L-12340-51A

I certify that this engine has been given a major overhaul in accordance with the LYCOMING DIRECT DRIVE OVERHAUL MANUAL and that all applicable Service Letters, Service Bulletins, Service Instructions, and Airworthiness Directives have been complied with that were effective at the date overhaul was accomplished. I warrant this engine for a period of four months for 100% parts and Labor and after that time a pro rata warranty on parts based on forty hours per month for a total time of 2000 hours. This warranty only applies if engine is operated in accordance with manufacturer's instructions.

John N. Shelton
John N. Shelton

President
Summerville Aviation
731 E. Butternut Rd.
Summerville, S.C. 29483-8431

Phone (803)873-2164

DATE

1995

1626.03
(At installation)
SMOH O/ENGT.
1175.5

REPAIRS - ADJUSTMENTS

SIGNATURE

Installed IO360A1B6D/Ser L-12340-51A Engine
 Airframe Ser# 177RG0028 IAW Cessna and Lycoming Maintenance
 Manuals. New Engine Load Mounts + Belts/nuts were used. PNC 299501-
 All New fuel + oil lines were installed. Overhauled dex air pump
 engine Model 211CC/SWAS E 097 FAACRS YV4R688M. Sent prop governor of to H
 and was changed from T11 to T12 bench checked + tested. FAACRS #PS4R451M. Per form
 Inspection IAW Cessna + Lycoming Service Manuals during and after instal
 engine. Replaced all hoses fuel/oil with New hoses/hoses. Checked Mag. timing
 be correct at 25° BTDC it was correct. Serviced engine with Squawking Aerosol
 Plate-Prop Gov. Pad LW12347 installed with governor. Checked all travel of control
 proper travel + stops. Ran up Engine + OP's checked good IAW instructions for
 break in from Manufacturer. No oil leaks found.

I CERTIFY THAT THIS ENGINE
 HAS BEEN INSPECTED IN ACCORDANCE
 WITH A 100 HR
 INSPECTION AND
 WAS DETERMINED TO BE IN AIRWORTHY
 CONDITION

CARRY ACCUMULATED TOTAL TIME FORWARD TO 100 OF NEXT PAGE
 NEW DUAL Marcus Hamington A/P 459816038

CARRY ACCUMULATED TOTAL TIME FORWARD TO 100

ENGINE LOG

DATE
1995
6-7

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE
		HOURS	10THS		
1995 6-7				20.31 5MOH	
7-10	TACH	1646	34	Oil Change - Serviced 8 qts Aeroshell 100 mineral oil, Oil Filter CH 48103. Wash eng. run eng. + chk for leaks. R.A. Hamington APP 236729711	
1-22 1996	TACH	1687	97	Oil change - Serviced 8 qts Phillips x/c 20W/50 - Oil Filter CH 48103 - Washed eng. - run-up + leak check good. R.A. Hamington APP 256729711	

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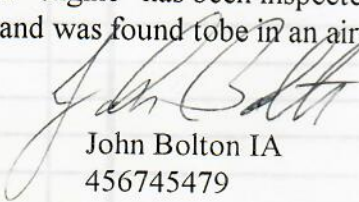
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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUM
		HOURS	10THS			
19 96						
6-12	TACH: 1713.95			Performed 100HR Inspection IAW Cessna maint.		
	SMOH: 87.92			Man + PAR 43. App.D Compression 1=76, 3=75, 2=77, 4=77. Drained oil + oil		
	Eng. TT: 1263.42			cooler. Cleaned Spark plugs. Installed top to bottom in next firing order		
	Oil filter CH48103			Serviced engine with 7qt Aeroshell 100w50 oil. Exhaust system		
				checked for leaks + cracks. None found. No intake leaks detected.		
				Magneto engine timing checked out to be good. Dead mag check good		
				All fuel + oil hoses checked for condition + wear. All electrical		
				wiring in good shape. All engine controls checked for proper and ea		
				of operation. Engine controls lubricated. Engine Run up + O/S ch		
				good. No oil leaks detected after Run up.		
				- Marcus Harrington A+P 459816038		
				I CERTIFY THAT THIS <u>Engine</u>		
				HAS BEEN INSPECTED IN ACCORDANCE		
				WITH A <u>100 HR</u> INSPECTION AND		
				WAS DETERMINED TO BE IN AIRWORTHY		
				CONDITION. <u>Marcus Harrington A+P 459816038</u>		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				<p>Date: July 28, 98 Make: Lycoming Model: IO-360-A1B6D SN: L-12340-51A Tach: 1805.9 N: 8028G</p> <p>Ran engine, checked power, mags and all engine controls. Cleaned and gapped spark plugs. Drained oil and changed oil filter, filled engine with 8 qts. AeroShell 50W oil. Compression checks: #1 74/80, #2 74/80, #3 72/80, #4 74/80. Replaced rocker cover gaskets. Replaced Brackett Air filter element and assembly. Replaced alternator belt. I certify this "engine" has been inspected IAW and "annual" inspection and was found to be in an airworthy condition.</p> <p style="text-align: center;"> John Bolton IA 456745479</p>		

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Phone:
(913)782-0530
CRS AMYR171C

Engine Log/Repair
N8028G
S/N177RG0028

LICE
NUM

12-Feb-99

Work Order # A7834

Tach Time:1862.49

Changed oil and filter. Cut old filter open no contaminants found. Serviced with 8qts. Aeroshell 80w oil and new CH48103 filter. CIW AD93-02-05 by visual inspection of injector lines for proper clamping, bend radius and for cracks. Replaced #1cyl. injector line with new unit P/N LW-12098-0-13. Run up and leak checked-ok.

I certify that this repair has been inspected and determined to be in airworthy condition. Pertinent details are on file under the above work order.

Signed [Signature] for
Kansas City Aviation Center, Inc 151st and Pflumm Road Olathe, Kansas 66051 FAA Repair Station #AMYR171C



Phone:
(913)782-0530
CRS AMYR171C

Engine Log/Repair
N8028G
S/N 177RG0028

25-Mar-99

Work Order # A7958

Tach Time:1874.43

Total Time:1874.43

Replaced alternator with overhauled unit P/N Doff10300-M S/N 4125965. Run up and operationally checked-ok.

I certify that this repair has been inspected and determined to be in airworthy condition. Pertinent details are on file under the above work order.

Signed [Signature] for
Kansas City Aviation Center, Inc 151st and Pflumm Road Olathe, Kansas 66051 FAA Repair Station #AMYR171C



"LOOK FOR THE RED AND BLUE
CESSNA PENNANTS FOR THAT
EXTRA SERVICE WHERE IT COUNTS
WHEN YOU NEED IT."

CESSNA AIRCRAFT COMPANY WICHITA, KANSAS