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PIPER
ENDS
1994



ENGINE

AND PROPELLER LOG

N 6789W

SERIAL NO. L-20842-27A

ENGINE DESCRIPTION

Mfgr. <i>Lycoming</i>	Place	Date
Type <i>H-opposed</i>	Model <i>0-320-E2D</i>	Serial No. <i>L-20842-27H</i>
Rated H. P. <i>150</i>	Maximum H. P. <i>150</i>	Weight (Dry)
Rated R. P. M. <i>2700</i>	Maximum R. P. M. <i>2700</i>	Oil Pressure
Bore	Stroke	Displacement
Compression Ratio	Supercharger Ratio	Gear Ratio
Propeller <i>McCawley</i>	Hub Design <i>1C172/TM</i>	Hub Serial No. <i>E8921</i>
Blade Design	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.	
Pitch <i>53"</i>	Diameter <i>76"</i>	Length
Owner's Name	City	State
Address		

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 <i>67</i>						
<i>12-26</i>	<i>15</i>	<i>15</i>			<i>Kenneth R. Biffle</i>	<i>302234</i>
<i>12-28</i>	<i>10 5</i>	<i>13 3</i>		<i>(Jerry)</i>	<i>Biffle Adams</i>	<i>C-535350</i>
<i>1/20</i>	<i>2 2</i>	<i>15 5</i>			<i>D. Francis</i>	
<i>1/24</i>	<i>2 5</i>	<i>18 0</i>			<i>D. Francis</i>	
<i>1/25</i>	<i>1 9</i>	<i>19 9</i>			<i>D. Francis</i>	
<i>1/26</i>	<i>2 5</i>	<i>22 4</i>			<i>D. Francis</i>	
<i>2/1</i>	<i>4</i>	<i>22 8</i>			<i>D. Francis</i>	
				<i>2-1-68 T.T. 22:65</i>		
				<i>Completed 25 HR INSPECTION</i>		
				<i>CHANGED oil. Nelson V. Seaton Jr.</i>		
				<i>A&P 1481866</i>		
<i>2/7</i>	<i>1 7</i>	<i>24 5</i>			<i>D. Francis</i>	
<i>2/9</i>	<i>3</i>	<i>24 8</i>			<i>D. Francis</i>	
<i>2/12</i>	<i>1 3</i>	<i>26 1</i>			<i>D. Francis</i>	
<i>2/14</i>	<i>1 4</i>	<i>27 5</i>			<i>D. Francis</i>	
<i>2/15</i>	<i>7</i>	<i>28 2</i>			<i>D. Francis</i>	
<i>2/16</i>	<i>2 3</i>	<i>30 5</i>			<i>D. Francis</i>	

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
2/17	1 8	32	3		D Francis	
2/20	4	32	7		D Francis	
2/21	1 5	34	2		R D Francis	
2/22	1 5	35	7		R D Francis	
2/23	9	36	6		R D Francis	
2/24	2 6	39	2		R D Francis	
2/26	1 7	40	9		R D Francis	
2/27	2 9	43	8		R D Francis	
2/28	1 8	45	6		R D Francis	
3/3	2 2	47	8		R D Francis	

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ENGINE LOG

DATE 19 68	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
3/29		58	80	FIFTY HOUR INSPECTION COMPLETED 1). OIL CHANGED GULF 20/40 AD 2). OIL SCREEN REMOVED (CLEANED) & INSP. 3). L & R MAGNETOS RETIRED TO ENGINE. 4). ALTERNATOR BELT TENSION ADJUSTED. Thos. B. Bost	ITE. 58:80 - 3/29/68	
5/23		93	42	100 Hour Insp. 1 oil changed Gulf 20/40 AD fuel, oil + air screen Insp. & cleaned, L & R magnetos timed & adjusted, tighten pulldown on alternator minor cracks dressed out of prop blades, cleaned & gapped 5- plugs Eng. run up & ground test OK. T.T. 93.42 Hrs	RFP 1404367. 5/23/68 William L. Posner, Eng.	
				"I certify that this ENGINE has been inspected in accordance with 100 Hour inspection and was determined to be in airworthy condition" Date 5/23/68 T.T. 93.42 Hrs Signature William L. Posner A & E #1201204		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOHRS			
19						
				JULY 26, 1968 OIL DRAINED OIL SCREEN CLEANED & REFILLED WITH ESSO E100WT		
				TACK RADIATOR 152 HOURS AEP 1176456		
				OCT 10, 1968 OIL DRAINED SCREEN CLEANED WASHED ENGINE & REFILLED WITH ESSO E80 OIL		
				TACK RADIATOR 185 HOURS AEP 1176456		
				DEC 14, 1968 COMPLETED 100 HOURS INSPECTION WASHED ENGINE & CLEANED AND TIGHTENED SPARK PLUGS CHECKED VALVES & SAFETY & CLEANED FUEL AND OIL SCREEN OIL DRAINED & REFILLED WITH ESSO E80 OIL ENGINE GROUNDED TESTED AND IS IN A WORKING CONDITION		
				TACK RADIATOR 210 HOURS		

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James W. Shannon
AEP 1176456

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOHRS			
19						
				FEB 1, 1969 COMPLETED 100 HOURS INSPECTION CHECKED PLUGS & CLEANED FUEL AND OIL SCREENS CHECKED EXHAUST SYSTEM OIL DRAINED AND REFILLED WITH ESSO E80 OIL ENGINE GROUNDED TESTED AND IS IN A WORKING CONDITION		
				TACK RADIATOR FEB. 1, 1969 = 248 HOURS		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				5-2-69		
				Oil drained - SCREEN CLEANED		
				Eng. + Cool washed		
				Replaced with ESSO E-8C		
				TACH 335.41		
				Harrison Airport		
				March 9, 1970 completed 100 hr insp		
				cleaned and capped Plugs - cleaned oil and		
				fuel screens. check engine control rods		
				washed engine oil drain and refilled		
				with ESSO E-8C oil - engine ground		
				tested and is in an air worthy		
				cond.		
				James W. Shannon		
				ASP 1136456		
				Tach Reading 906 hrs		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 72						
	A/C	2387		TOTAL TIME 453.00 hr ENGINE DISASSEMBLED for sudden stopping		
	ENG	453		CRANKSHAFT MIGHTYFIXED ALL OTHER PARTS CHECKED - ALL PARTS MIGHTY		
				FIXED - ENGINE REASSEMBLED INSTALLING NEW PISTONS - MAIN BEARINGS		
				Red BEARING - RINGS - SEALS & GASKETS - HOSES - CYL'S POWERED - TO M.I.		
				NEW MAG LEFT SIDE ENGINE RUN-IN TIME 4 hr check good static		
				RPM - cleaned oil screen - refilled oil SAE #50 engine installed		
				IN PIPER PA-28-140 N16799W MARCH 4 1972. TACH 2387.0		
				ENGINE TIME 4 hr. S.M.A.H. (him) C. V. Anderson APP 1456027		
				END		
				April 16 1972 completed 100 hr insp check exhaust		
				system check drain campy with AD 12-6-5		
				oil drain and screen cleaned & refilled with		
				ESSO SAE 50 oil engine ground tested		
				and is in an air worthy cond.		
				James W. Shannon		
				ASP 1136456		
				Tach 2387 hr		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				TACK 2567 JULY 2, 1973 Complete 100hr insp. Drained oil & refilled with ESSOR-E-80 CLEANED OIL SCREENS. INSTALLED PIPER OIL COOLER HOSE & PAPER PART NO. 63901-72 in compliance with AD 72-4-3 ALSO AD 70-16-5 MUFFLER CHECK. CHECKED COMPRESSION INSTALLED NEW OIL PRESSURE SENDING UNIT LINE. CLEANED & GAPPED SPARK PLUGS. ENGINE WAS ground tested & found to be in airworthy condition. Michael J. Stora APP 20419204		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19	2567			10-25-72 TACK 2567 REPAIRS FOR FAA spot check - Polished nicks out of prop. - Also AD 70-16-5 checked found leak installed serviceable muffler but AD 70-16-5 still to be checked every 50 hours Michael J. Stora APP 20419204		

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ENGINE LOG

DATE 19 73	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
		2595		FEB 11 1973 Completed 100hr Inspection Changed ENGINE OIL Refilled with ESSO 80E Cleaned FUEL & OIL SCREEN Checked Condition of MAG & SPARK PLUGS - Checked EXHAUST SYSTEM & HEATER MUFF Installed NEW ALTERNATOR S/N W-9708 Cleaned ENGINE DRESS NICKS IN PROP PAINTED SAME - ALL AD NOTES THRU TO THIS DATE Complied with or Inspected Tach Time 2595 hr Alvin C. Vorndran A & P 1456027		

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ENGINE LOG

DATE 19 73	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
		2673		APRIL 1 1973 Completed AN 100hr INSPECTION CHANGED ENGINE OIL Refilled with ESSO 80E Cleaned FUEL & OIL SCREEN - Checked MAG TIMING & Condition See REAR OF BOOK FOR AD NOTE LISTING Verify that this aircraft-engine has been inspected in accordance with a <u>100hr</u> inspection and was determined to be in airworthy condition. Time <u>2673 hr</u> Date <u>APRIL 1 1973</u> <u>Alvin C. Vorndran</u> Alvin C. Vorndran A & P 1456027 LA.		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19		2770		9-18-73 TACK-2770 completed 100hr engine inspection changed oil & checked screws, refilled with Exxon AD-80 - Removed plugs cleaned and regapped - Replaced four plugs with new inspection exhaust system and C/A AD-20-16-5. Heat mist inspection same OK. This engine was inspected in accordance with 100hr check list and was found to be in an airworthy condition. E. J. Moore - ATP-1700361 AD TO-16-5 MUFFLER insp insp. Insp Found OK. Tack 282005 hrs James W. Thompson ATP 1136456		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
11-11-74		2908		APRIL 6, 1974 Tack TT 2850 completed 100hr Eng. Inspection DRAIN oil & Refilled with Exxon AD-80 cleaned oil & fuel screens. Removed cleaned & Regapped plugs - checked mag timing. Replaced CRANK shaft oil seal. C/A AD-20-16-5 muffler for cracks same OK - Replaced AIR CLEANER. Ground Run ops OK - This ENG WAS INSPECTED IN ACCORDANCE WITH 100hr check list and was found to be in an air worthy condition. E. J. Moore ATP-1700361		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
9-9-75		3011	85	Feb 17, 1975 Completed 100hr inspection - check plugs clean and replaced check valves. Check muffler as per AD 70-16-5. Cleaned fuel and oil screens, check valve, and and GAFIT'S OIL. Drained and refilled with ESSO 80 oil. Engine ground tested and is in an airworthy condition. Tach 2934hrs Myron A. McElroy A&P 15448956		
				Cleaned oil screen, drained oil and refilled with ESSO 80 AD and tested eng. Tach. 3011.85 hr. 9-9-75	Myron A. McElroy 159-98-9986	

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
		3036		10-7-75 Tach 2934 3036 Completed 100 hr inspec. Check plugs, Replaced muffler heat exchanger, cleaned fuel screen, drained oil & replaced with ESSO AD 80, Replaced oil cooler & ground tested. I certify that this eng. was inspec. in accordance with an 100hr. inspec. & was determined to be in an airworthy condition. Myron A. McElroy A&P 15448956		

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ENGINE LOG

3167

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				March 1, 1946 completed annual inspection Replaced Rocker Gasquets no 8 cyl Cleaned oil screen large muffler as per AD 62-26-3 Found oil. Installed new AFM Filter. Check ME 63 and Plug Oil Drain and Re-filled with ESSO AD 80 oil. Engine Grand Tested and is in air worth work.		
				Tech 3083 TT- 1148	J. Shannon AP 1136418	

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
2 JAN 47		3137		Installed reconditioned left mag. from J. Blom		AP 15342
4-2-47		3284		AS-NO 6090753R and reconditioned st. mag. AS-NO 6080410R.		GN2
4-2-47	ENG	1350		Zero time on both mags.		
				April 2, 1947 completed annual inspection		
				Performed work per		
		897	504	1. large muffler as per AD 62-26-3 2. replaced exhaust gasjets 12 and 3 cyl 3. replaced front brake shoes 4. check COMP 18975 20/49 30/49 40/49 5. oil drain screen cleaned re-filled with ESSO 80 oil 6. check oil hoses and PN 6340-TL found OK as per AD 76-25-06. Engine Grand Tested and is in air worth work.		
				Tech 8284:10	J. Shannon	AP 1136456

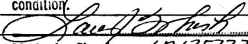
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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
				Total Time <u>1454</u> Date <u>4-24-78</u> I certify that this <u>ENG</u> has been inspected in accordance with a <u>Manual</u> in- spection and was determined to be in air worthy condition.	<u>Charged oil</u> <u>Screen - cleaned</u> <u>& gapped plugs</u> <u>Compressor</u>	
				Mechanics Signature <u>[Signature]</u> <u>1352329</u>	<u>#189/4</u> <u>#80/5</u> <u>#80/3</u> <u>#180/1</u>	

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
				Total Time <u>1535</u> Date <u>3-11-79</u> I certify that this <u>Eng</u> has been inspected in accordance with a <u>DNALud</u> in- spection and was determined to be in an worthy condition.  Mechanics Signature <u>1A1352379</u>		
				set charged Greases Cleared, - plug cleaned & gapped. Muffler Exp. repaired w/Leads.		

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ENGINE LOG

DATE 1980	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
4-4-80	Tach	3516.	9	April 4, 1980 - tach reads 3516.9 (Eng. T.T. = 1582 hrs.; 1129 h. S.M.O.H.)		
	Eng T.T.	1582.	0	changed oil; checked screen; re-filled pump & 480's		
	Eng Time	1129.	0	4000 (Verobell) (800) - cleaned, gapped & rotated all parts.		
	S.M.O.H.			plugs & re-installed new gaskets; removed all rocker		
				cover; inspected valve train; replaced all rocker		
				cover gaskets; checked ignition leads for high		
				tension breakdown; checked magneto timing;		
				inspected fuel screens; checked exhaust system		
				for leak & security of mounting; (per A.D. 70-16-05)		
				pressed prop nut & painted prop face - END -		
				Richard B. Johnson SR 144423684		

Date 4-4-80 T.T. 1582
 I certify that this ENGINE has been
 inspected in accordance with AN 144423684
 inspection and was determined to be in air
 worthy condition

Richard B. Johnson SR 144423684

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ENGINE LOG

DATE 1982	DURATION Tach Time	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
7/14/82	3551.07			Repl. Plugs - Chg oil - Compression test OK - Check AD 7/14/82		
				I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED		
				IN ACCORDANCE WITH A <u>100 HOUR</u> - ANNUAL INSPECTION		
				AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.		
				TIME IN SERVICE <u>1617</u> HRS. DATE <u>7/14/82</u>		
				<u>Chas. W. Wasserman</u>		
				CHAS. W. WASSERMAN		
				LA 192750248P		
9/22/82	T.T. 3579.1			INSPECTED HEATER HUFF I/R/W A.D. 70-16-05 - END		
				<u>John L. Chane</u>		
				SRD		
				14145258		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
2/5/82		3642	38	Repl SPARK Plugs - Compression test ok All Above 70 Clean & ck SCREEN Lube Controls. Ins. Fuel System. Dress Gas Nicks. Recheck AD's thru 83-14		
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> - ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. TIME IN SERVICE <u>3642-38</u> HRS. DATE <u>8/5/82</u> <i>Chas. W. Wasserman</i> CHAS. W. WASSERMAN IA1929692ASP						
2/11/84		3666	02	changed oil, Phillips 20w 50 DB.		
8/2/84		3682	55	changed oil, Phillips 20w 50 DB.		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
11/10/81		3708	05	Compression test - All Above 68 - Clean & Check Plugs - CHANGED - 8 qts 50 ACRA Shell W - Lube Controls - Inspect EXH system - Clean Gasolene - AD's checked thru 84-21		
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> - ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. TIME IN SERVICE <u>3708</u> HRS. DATE <u>11/10/81</u> <i>Chas. W. Wasserman</i> CHAS. W. WASSERMAN IA1929692ASP						

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ENGINE LOG

DATE 1985	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
21 SEPT	85			REVIEW OF RECORDS INDICATE 1845 TT. 1392 STOH INCLUDING ROD & MAIN BEARINGS SUMP STRAINER CHECK - FILTER CHECK (SCREEN) CLEANED MAGS CHECKED TIMING ✓ COMPRESSION CHECK 71-70 72-13/80 1-3 NEW FUEL LINES CARB TO ALX PUMP ENGINE PUMP TO CARB. - NEW AIR FILTER AD 70-76-05 MUFFLER INSP C/W PLUGS ROTATED TOP/BOTTOM ... 21 SEPT 85 ... 1845 1392 STOH			
I certify this engine has been inspected in accordance with a 100-hour annual inspection and was determined to be in airworthy condition. Millville Bastwick 825-3160 GLENN R. McEIM 1A 349125 A&P							

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ENGINE LOG

DATE 1986	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
				TACH READS 3861 CLEANED SCREENS & PLUGS. INSTALLED SPIN-ON FILTER ADAPTER WITH VERNATHERM CONTROL PER LYCOMING S.I. 1008B CLEANED ALL PRIMER NOZZLES, REPAIRED LINES & FITTINGS AS NECESSARY. REPAIRED LEFT 'P' LEAD. CLEANED RUST & REFINISHED. REPLACED BAD HARDWARE. REPAIRED 1/4 CRAW LATCH. LUBRICATED STARTER DRIVE & ALL ENGINE CONTROLS.			
				DATE 11-21-86 TACH: 3861 DRAINED OIL AND REFILLED WITH 80WQTS. OF AEROSHELL			
				DATE 11-21-86 T.T. IN SERVICE 3861 COMPRESSION CHECK: CYL. 1 68/80 CYL. 3 60/80 CYL. 5 X CYL. 7 X CYL. 9 X CYL. 2 63/80 CYL. 4 65/80 CYL. 6 X CYL. 8 X			
				DATE 11-21-86 T.T. IN SERVICE 3861 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.			
				END			

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ENGINE LOG

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS -- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 87						
7/20		3427		CHANGED ENL OIL (8 QTS 15/50 HELIX SHELL) AND OIL FILTER INSTALLED NEW PLUGS (4 BOTTOM)	Omar Dammeh AP 447789504	
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.						
TOTAL TIME 3932		DATE 11/19/87		CHANGED OIL (SHELL 10/50) NEW OIL FILTER. CHECKED MAGS, PLUGS & COMPRESSION +1 75% +2 50% +3 70% +4 75% NEW CARB. AIR FILTER (HISPER STL + SA 693 CE) (AD 84-26-2 N/A) THREE NEW ROCKER COVER GASKETS		
Richard X. Karl RICHARD X. KARL I. A. #542449						
				3/23/88 INSTALLED REMANUFACTURED RIGHT CYLINDER SER. # 7020202 TACH 3954	Richard X. Karl AP 447789504	

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				I CERTIFY THAT THIS AIRCRAFT/		
				ENGINE HAS BEEN INSPECTED IN		
				ACCORDANCE WITH A <u>MANUAL</u>		
				INSPECTION AND WAS DETERMINED		
				TO BE IN AIRWORTHY CONDITION.		
				<u>TOTAL TIME</u> 4017 <u>DATE</u> 1/4/58		
				<u>Richard X. Karl</u>		
				RICHARD X. KARL I. A. #542449		
				CHANGED OIL (SHELL 1550)		
				NEW OIL FILTER		
				CHECKED MAGS PLUGS & COMPRESSION		
				1 7/16 + 2 7/16 + 3 7/16 + 4 7/16		
				THREE NEW ROCKER COVER GASKETS.		
				TWO NEW EXHAUST GASKETS & TIGHTEN		
				NEW STUDS.		
				1/2 12 70-16-5 (EXHAUST INJECTION)		

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ENGINE LOG

DATE #	DURATION	ACCUMULATED TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
Dec 1 - 1989				Major Overhaul completed this date.		
Tach 4089.06				Engine was disassembled cleaned & inspected.		
total time 2154.16				All steel parts were Magnaflexed by Universal		
SMOH 00.0				Technical Testing Labs. inc. Report 13908		
dated Oct 3, 1989				FAA Certificate No. 2364346. Engine		
was built with standard crank shaft both rods & mains.						
Cam shaft & tappets were reground & yellow tagged by Aircraft						
Specialties Services, FAA repair station D02R764K, WO#						
41186 dated 11-9-89.						
*1 cylinder yellow tagged by 1st Quality cylinders inc. WO# 16911						
dated 11-13-89. FAA Repair station 268-11. Cylinders #2 & 3 & 4						
Partial Maintenance Release by 1st Quality Cylinders inc.						
*2 WO# 16798 serial #1 dated 10-9-89, *3 WO# 16848 serial #1 dated 10-13-89,						
*4 WO# 16187-1 serial #1, dated 10-5-89. All four cylinders are fresh chrome.						
Engine was built with high compression SL 75089 pistons						
heavy wall SL 13444 piston pins. This engine is now rated						
at 160 hp. for 5 minutes after take off at 2700 RPM.						

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE #	DURATION	ACCUMULATED TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
				Max continuous RPM 2650. Min fuel Oct 100.		
				SITC is pending for this conversion.		
				Carb was overhauled & the metal float conversion was		
				installed.		
				The slick mags were not overhauled. the Right		
				mag has 135.06 hours on it per log entry. The		
				left mag's total time is not known. aircraft owner		
				must find invoice to determine its time in service. The		
				alternator was not overhauled per customer's instructions.		
				Fire wall was cleaned & zinc chromated, engine mount		
				was stripped to bare metal & then painted.		
				Exhaust system was disassembled cleaned & inspected.		
				Right rear exhaust stack found to have worn out slip		
				joint, replacement was not available. Aircraft owner has		
				been advised. Engine was installed on new hard mounts		
				"Barry". All oil & fuel lines toward of fire wall were		
				replaced with fire sleeved fresh stock with the exception		

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						
off oil pressure gage line which has been ordered from Piper.						
All Aero ducting seat forward of fire wall was replaced.						
Engine serviced 9 qts Aero Shell Mineral Engines						
oil for break in. Data Sheet,						
Parts installed listing, yellow tags						
and Magnaflux report installed last						
page this log.						
All work by Precision Engine Overhaul Inc.						
Hammonton Air port						
RD #4 Box 344 B						
Hammonton NJ 08037						
tel 609 561 1728						
Bill Scott						
				COMPONENT NAME	MANUFACTURER'S NAME	
				MODEL OR TYPE	SERIAL NUMBER	
				☐ REPAIRED ☒ OVERHAULED ☐ TESTED ☐ INSPECTED		
				"THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE OR APPLI-		
				ANCE IDENTIFIED ABOVE 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 REPAIR ARE ON FILE AT		
				THIS REPAIR STATION UNDER ORDER # 396.....		
				DATE	Dec 1.89.	
				SIGNED	William H. Scott Jr	
					P 084 50 7914	

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 90						
Jan 6-1990				Compression check hot.		
tach 4103.29				#1 75 #2 76 #3 77 #4 76		
total time 2168.39				80 80 80 80		
SMOH 1 to 23				Tightened intake hoses, oil scavenge hoses,		
				intake pipes top cylinders and rocker box cover screws.		
				Slight oiliness found on lower #1 #2 #4 spark plug suggest use of		
				mineral oil for another 5 hours & then recheck.		
				William H. Scott Jr		
				P 084 50 7914		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
JAN. 23 / 1990				"I certify that this <u>Eng.</u> has been inspected in accordance with an <u>ANNUAL</u> inspection, and was determined to be in an airworthy condition." Comp. Test code - ②78/80 ②77/80 ②79/80		
Tach 4110.72				②75/80 - Checked for leaks. Tightened 4 cyl oil return line nut. Replaced air filter with Benchitt. Checked spark plugs.		
22.0 S.M.O.H.				Darryl Adams I.A. 151-448871		
				Started new Engine log book		
				2-1-1990		
				William H. Scott Jr		
				P084 50 7914		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

AD list

MEMORANDA

Date

55-2-2 N/A S/N

59-10-7 Plc/w

63-23-02 N/A

64-16-05 Plc/w

66-20-04 W/A Equip N/I

73-23-01 N/A S/N

75-08-09 N/A S/N

77-02-07 N/A mod #

77-20-07 N/A mod #

78-12-08 N/A mod #

78-12-9 W/A mod #

79-10-3 R-2 W/A mod #

80-4-3 R1 N/A mod #

80-14-7 N/A mod #

81-18-4 R2 Dues at 4387 Delt time

80-25-07 S/W oil Cdn N/A mod #

72-06-05 CARB Plc/w

MEMORANDA

Date

"AIRWORTHINESS DIRECTIVES"

70-16-5	Heat muff insp	Inspected Pressure Check Good	(Umschum AP 14502)
72-4-3	Oil Cooler Hose insp	Hose PIC Replaced 6-7-72	(Umschum A.P. 14502)
72-6-5	Carb Rem insp	Clw Good arm & safety	(Umschum A.P. 14502)
	Above AD notes checked or complied with April 1, 1973 (Umschum)		
62-26-6	Exhaust Insp	- Insp every 50 hrs? check April 2, 1977 Tech 3284 J.W. Shannon AP 1138936	
76-25-06	Oil Hose Insp	- PN 6301-122 is installed Clearance OK check April 2, 1977 J.W. Shannon AP 1138936	
63-22-3	CRB	N/A	MOD # & S/N
66-05-04	"	"	"
69-24-3	"	N/A	S/N
74-18-5	Slack Mags	N/A	MOD #
80-6-5	"	"	N/A
81-16-05		N/A	"

MEMORANDA

Date

"SERVICE LETTERS"

MEMORANDA

Date	
	ADS Continued
78-09-07	R3 Bendix P1262 - N/A Stick 100701/1002.
74-11-05	Clock N/A MOD #
80-06-05	
81-18-04	R 2 oil pumps sintered iron, Complied with installed SL 60746
	drive gears. William H Scott Jr P084 50 7914
87-10-06	RIC Rocker arm failure, Complied with installed 74636
	exhaust rocker arms. William H Scott Jr P084 50 7914



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

CESSNA AIRCRAFT COMPANY WICHITA, KANSAS

ENGINE LOG

II 2

I hereby authorize the following repair work to be done along and hereby grant you and/or your employees permission herein described for the purpose of testing and/or inspection is hereby acknowledged on this aircraft to secure the aircraft not be held responsible for loss or damage to the aircraft theft, or any other cause beyond your control. If it becomes necessary to employ a collection agency and/or an attorney to collect this amount, you will pay all court costs plus a reasonable attorney's fee.

to employ a
designated agree to
collection agency

X

QUAN. PART NUMBER AND DESC

PIPER

89 15/W50

1 CH48110

1 BA-3

10.57

1 ELT Bell Hay

5

N6

RECEIVED

OMISED

ENGINE DESCRIPTION

Manufacturer: Lycoming Serial No. L20842-27A
Williamsport PA Horsepower: 150
 Model: O-320 E2D FAA T. C. No. 274

Engine Accessories	Serial No.	Weight
Left Mag SLICK 4251	5069193	
Right Mag SLICK 4250	702 0202	

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
69-24-03		Marvel Schieber na Per Carb Ser #	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
72-06-0582		Marvel Schieber Throttle Arm na - Installed Per CF-13-1521	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
72-15-0281		Prestolite Cooling Fan na Per Per # Installed	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
73-07-04		Bendix na - Slick Installed	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
73-10-20		Bendix Fuel Injector na - Marvel Schieber Inst.	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
74-26-09		Bendix na - Slick Inst.	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
75-08-0983		Oil Pump. na Installed with Drive Connection	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
73-23-0184		Piston Pins na Installed SH3444	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
75-09-15		Bendix Injector na - Marvel Carb Inst.	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
77-07-07		Repacked oil slene na Per engine model	2290.01	3-18-91	<i>John DeC...</i> JA 136609024

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
77-20-07		Hyd Tappets na - Engine model	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
78-09-07		Bendix mag na - Slick Installed,	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
78-12-08		oil Pump na - Engine model	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
78-12-09		Crank shaft na - Engine model	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
78-18-04		Bendix MA na - Slick Installed	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
78-23-10		Bendix Center Bellows na - Marvel Carb Inst.	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
79-04-05		Power loss - Bendix na - Marvel Carb Inst.	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
79-10-03		engine mount. brackets na. engine model	2290.01	3-18-91	<i>John DeC...</i> JA
79-18-06		Bendix MAG na - Slick Inst.	2290.01	3-18-91	<i>John DeC...</i> JA 136609024
79-21-08		Bendix Injector na Marvel Carb Inst	2290.01	3-18-91	<i>John DeC...</i> JA 136609024

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

AD

Service Bulletin No.	Item	Subject and Remarks (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
80-04-03 R-2		Bent Push Rods NA - Engine model	2290.01	3-18-91	<i>[Signature]</i> JA136609024
80-06-05		Slick magneto/Impulse Coupl. NA - Mag. Str	2290.01	3-18-91	<i>[Signature]</i> JA136609024
80-14-07		Valve Failure NA - Engine model	2290.01	3-18-91	<i>[Signature]</i> JA136609024
80-17-14		Bandit Mag NA Slick Installed	2290.01	3-18-91	<i>[Signature]</i> JA136609024
81-16-05		Slick mag. NA / Serial #2's	2290.01	3-18-91	<i>[Signature]</i> JA136609024
81-18-04		Oil Pump 60747 Driven NA Installed 60746 Drive	2290.01	3-18-91	<i>[Signature]</i> JA136609024
82-11-05		Bandit mag. NA Slick Installed	2290.01	3-18-91	<i>[Signature]</i> JA136609024
82-13-01		Bandit mag. NA - Slick installed	2290.01	3-18-91	<i>[Signature]</i> JA136609024
82-20-01		Bandit mag. NA Slick Installed	2290.01	3-18-91	<i>[Signature]</i> JA136609024
82-27-03		Rainier Turbo NA - Not Installed	2290.01	3-18-91	<i>[Signature]</i> JA136609024

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

AD

Service Bulletin No.	Item	Subject and Remarks (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
87-10-06		Rocker Arms NA - Engine Str	2290.01	3-18-91	<i>[Signature]</i> JA136609024
90-04-06		Oil line - Prop Gov. NA - Fixed Pitch Prop.	2290.01	3-18-91	<i>[Signature]</i> JA136609024
91-14-22		Crankshaft Gear			
92-12-05		Piston Pin Failure		N/A NOT installed	<i>[Signature]</i> JA136609024
92-22-07		Fuel flow		N/A NOT OVERTHROTTLED	<i>[Signature]</i> JA136609024
93-11-11		AC Fuel Pump ^{N/A} By <i>[Signature]</i>	12-89	N/A	
96-09-10		Oil Pump Gears P/C/W @ O/H	09-08-96 4704:60		
97-15-11		Piston Pin N/A By <i>[Signature]</i>	10-02-97 4718:29	N/A	<i>[Signature]</i> JA136609024

ENGINE OVERHAUL

0-320 E20

TYPE
Major ☒ ☐
Top ☐ ☐

Engine Serial No. 120342-27A Since Last Major 000.0
Date Completed 12-1-89 Total 2154.16
tach 4089.06

NEW PARTS

12-1-89 Major Overhaul completed this date. Engine was disassembled cleaned & inspected. All steel parts were Magnafluxed by Universal Technical Testing Labs inc Report #13908 FAA Cert #2364346. Engine was built with standard crank shaft both rods & Mains. Cam Shaft and tappets were reground & yellow tagged by Aircraft Specialties Services FAA Repair Station DD2R764K. All four cylinders fresh "Choked chrome" by 1st Quality cylinders inc FAA Repair Station 268-III. Cylinders were assembled with high compression SL75089 pistons and heavy

REMARKS

wall SL13444 piston pins Per Ram STC SE3692SW and 337 dated 3-18-91. Carb was overhauled & metal float conversion installed. The Slick mags were not overhauled and have 270.91 hours on them per previous log entry. The alternator was not overhauled per owners request. Fire wall was cleaned & Zinc chromated. Engine mount was stripped to bare metal, inspected for cracks visually & painted. Engine was installed on new Lord Mounts, "Barry".

I certify that this overhaul was accomplished in accordance with FAA Regulations and Directives using approved material and parts.

Signature William H Scott Jr over Certificate No. P084507914
Address Hammonden Airport Rd #4 Box 344 B, Hammonden NJ 08037

ENGINE OVERHAUL

TYPE

Major . . . ☒Top . . . ☐

Engine Serial No. _____

Date Completed _____

Since Last Major _____

Total _____

TIME

NEW PARTS

All oil & fuel lines forward of fire wall were replaced with fresh stock. All Aero ducting forward of fire wall was replaced. Engine was serviced with 9 qts Aero Shell 40wt mineral oil for break in. Data sheet, Parts installed listing, yellow tages and Magna Flux report installed last page this log. All work by Precision Engine Overhaul Inc.
 End

Hammonton Air port
 Rd #4 Box 344 B

William H Scott Jr
 P 084 50 7914

Hammonton NJ 08037
 tel 609 561 1728

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-18-91	Brought Forward →	121.62	Tach Time 4224.91	Serviced Engine with Arnold
		total Time	2290.01	Compressions @76 @76 @74 @78
				3-18-91 Right Rev Exhaust
				new muffler Schenck Pkt
				operation. <i>John A. DeGrescenzo</i>
Total To Carry Forward				

and Remarks	Signature	Certificate No.
40-611 Min. Installed Oil filler CH48110	-	-
checked magneto timing checked all SD's then	-	-
Studs Replaced Pn 6372603 - Installed	-	-
#62208-002, Engine Test Run checked	-	-
	<i>John A. DeGrescenzo</i>	IA 136800024 -
121.62 SmoH		
DATE <u>3-18-91</u> T.T. <u>4224.91</u>		
I CERTIFY THAT THIS <u>Engine</u>		
HAS BEEN INSPECTED IN		
ACCORDANCE WITH <u>Annual</u>		
INSPECTION AND WAS DETERMINED		
TO BE IN AIRWORTHY CONDITION.		
<i>John A. DeGrescenzo</i>		
JOHN A. DEGRESSENZO		
IA 136800024 A & P		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	126.51		
4/3/91			4229.8	Drained - Oil and Filter, oil Filter Element, Found Engine serviced with 9 Engine, none found, - END-
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
March 21, 1992				"I certify that this <u>ENG.</u> has been inspected in accordance with an <u>Annual</u> inspection, and was determined to be in an airworthy condition."
II. 4332.37				
229 S.moh.				Compression check all in the high 70's. Oil filter was just changed. Checked spark plugs. Checked all lines for condition. Replaced bracket air filter element #BA-3. Mag. turning o.k. Checked for leaks. Checked all AD's to date. <u>Larry Adams I.A.#151448871</u>
Total To Carry Forward				

and Remarks	Signature	Certificate No.
April 12, 1994		
PI 4522		
Removed COWLING, DRAINED OIL		
SERVICED WITH AEROSHELL 15W50.		
CLEANED FUEL & OIL SCREENS, TIMED MAGS TO		
ENGINE. Compression #1) 66/80 #2) 74/80 #3) 70/80 #4) 71/80		
Removed ALTERNATOR, INSTALLED O/H ALTERNATOR.		
INSTALLED NEW SPARK PLUGS AND SCAT TUBING. TEST RUN OK		
I CERTIFY THIS ENGINE HAS BEEN INSPECTED		
I/AW A 100HR INSPECTION AND DETERMINED TO		
BE IN AIRWORTHY CONDITION.		
	<i>Brian H. White</i>	
	A+P314720182	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
9 MAR				→
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Tachometer <u>4427.05</u> Total Time _____		
I, <u>FRANK MAILE</u> certify that this (aircraft) (engine) has been inspected in accordance with an (ANNUAL) (100 HOUR) inspection and was determined to be in airworthy condition.		
Dated <u>9 MARCH 93</u>		
Signed _____		
INSPECTED ENGINE CHANGED OIL AND FILTER,		
INSPECTED OIL FILTER. CLEANED + LAPPED ALL SPARK		
PLUGS, REPLACED AIR FILTER. COMPRESSION CHECK		
#1 80/72 2 80/70 3 80/71 4 80/70. CHECKED		
ALL AD THRU MAR 93.		
Frank W Maile		
AP 200462234 1A		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Nov 2 1993	Brought Forward →			Compliance with AD Installing one piece Bradley & Rust
2-19-94			4508.1	Drained oil, change Filter Installed 7Qts Aeroshell 15W50 Check
8-27-94			4569.88	CHANGED oil + filter, Install 8 QTS. Aeroshell 15W50, Leak + operational check
Total To Carry Forward				

and Remarks	Signature	Certificate No.
93-18-03 Precision Armature by Venturi in carburetors AP313801572IA		
New filter CH48110 Engine serviced with for 109K3, none found Kenneth Xena AP220766124		
ed CH48110 oil filter, serviced w/ filter checked for contaminants - OKAY, OKAY Richard Paul D. Carter AP306826094IA		

DATE 6-1-95 TACH 4608 SMOH 505

REMOVED COWLING, DRAINED OIL RESERVICED WITH 7 QT. 15W-50 AEROSHELL. INSPECTED OIL FILTER, CLEANED GAPPED AND ROTATED SPARK PLUGS. CHECK TIMING. COMPRESSION CHECK #1-72/80 #2-75/80 #3-75/80 #4-76/80 .

I certify this ENGINE has been inspected in accordance with a ANNUAL inspection and determined to be in airworthy condition.
Date 6-1-95 Tach 4608
A & P 2147491

Thomas L. Smith

DATE 9-16-95 TACH 4662 SMOH 559 REMOVED COWLING - DRAINED OIL

REMOVED OIL FILTER - SERVICED ENG WITH 7QT 15W-50 AEROSHELL - LK CK GOOD

Total To Carry Forward REINSTALLED COWLING
David D. Johnson AP 1A 526766109

and Remarks	Signature	Certificate No.
07-24-96 Tach 4704:60 Compression checked #1 ⁷⁵ / ₈₀ #2 ⁷⁴ / ₈₀ #3 ⁷³ / ₈₀ #4 ⁷⁴ / ₈₀ Timing CKD @ 25° Cleaned & Gapped Spark Plugs - Changed oil & Filter Serviced with 8qts Aeroshell 15/W50 & CH48110 Replaced Valve Cover Gaskets with 5'75906 (4ea) Repaired Broken Alternator Support - washed ENGINE & Cowling Down - Dressed Prop - Applicable AD's CKD & C/W thru 96-16m		
I certify that this ENGINE has been inspected I/A/W A 100 hour ANNUAL inspection and has been determined to be in airworthy condition.		

Robert A. N...
AP 298664021A

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-22-97	Brought Forward →	4713.25	Compression checked #1 $\frac{65}{15}$ #2 $\frac{71}{15}$ #3 $\frac{71}{15}$ #4 $\frac{75}{15}$, Timing Cks @ 25° Cleaned, Gapped & Rotated Spark Plugs Changed oil & Filter, Serviced with 8cfs Auroshell 15W50 & CH 46/110, Inspected old Filter no defects noted. Repaired Broken Alternator Bracketts, Repaired Tail Pipe Clamp- Washed ENGINE & Cooling Down Replaced induction Filter Element PN BA-3, Dressed Prop - Cont next Page	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
10-02-97 Tach 4718:39	Applicable AD's checked & c/w Thru 97-20m	
I Certify That this ENGINE <u>PROP</u> Has Been Inspected <u>IAW</u> A 100 Hr Annual Inspection And Has Been <u>Determined</u> To Be In An Airworthy Condition <i>Robert A. Norman</i> A#P298664021JA		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10-19-98	Brought Forward →		4729:00	
				Compression Checked #1 $\frac{69}{80}$ #2 $\frac{75}{80}$ #3 $\frac{75}{80}$ #4 $\frac{75}{80}$
				Cleaned & Gapped Spark Plugs - Changed oil & filter
				Serviced with 8qts Aeroshell 15/W50 & CH48110
				Inspected Crankshaft I.D. For Pitting None Found
				Removed Oil Cooler Hoses AND Fabricated new
				Hoses 111-8 & 300-85 Fittings (Tested) - Inspected
				Exhaust System - WASHED ENGINE & Cowling Down
				Replaced Airfilter Element PN 8A 3
				Dressed Prop
				Cont Next Page
Total To Carry Forward				

and Remarks	Signature	Certificate No.
10-19-98 Tach 4729:00		
c/w AD 95-26-13 Oil Cooler Hoses		
New Installed - next Due @ 5729:00		
OR 10 of 2006.		
T.T. ENG 2794:10	98-02-08	Crankshaft I.D. Pitting
SMOH 625:71		Inspected None Found Next Due 10- of 2003
	98-17-11	Crankshaft Failure N/A
		By Overhaul & Date.
		Applicable AD's CKA & c/w then 98-22 m
I Certify That this ENGINE & Prop Has		
Been Inspected I/A/W A 100 Hr/Annual		
Inspection And Has Been Determined		
To Be In An Airworthy Condition		
Robert A. Norman A/R 298664021 IA		

ENGINE LOG

Date	Engine Time		Rebuild Reading	Maintenance
	This Date	Since Major		
4-7-2000	Brought Forward →		4730.12	Compression checked
	#1 1/20 #2 1/20 #3 1/20 #4 1/20			Cleaned & Copied
				Spark Plugs - Timing OK as is. No oil on filter
				Changes @ this time. Inspected installation of Exhaust
				System - Replaced oil Pressure Line from ENGINE
				to Firewall. Washed ENGINE & Cooling Down
				Dressed Up - Air Filter Element Inspected &
				Re-Installed AD 75-26-13 Oil Cooler hoses went
				Due 10-1-2006 on track time 5729.00
				AD 99-05-09 Air Filter N/A
Total To Carry Forward				Brake Oil Assembly Installed

and Remarks	Signature	Car/Part No.
4-7-2000 inch 4730.12	Applicable AD's CFB of 4/7/2000	2000-068
<i>(Stamp: I certify that this engine has been inspected and found to be in good condition for use in an aircraft. Inspected on 4/7/2000 by [Signature])</i> <i>(Signature: Robert H. [Signature])</i> <i>(Date: 4/7/2000)</i>		



222 Airport Drive, Lockhart, TX 78644
512-398-3439

N13400

11/01/2021

Maintenance

Tach 4426.0
Lycoming engine O-320-E2D, S/N L-20842-27A, previously modified IAW STC SE3692SW on 09/01/1998. Replaced oil sump gasket, intake hoses and gaskets. Removed fuel pump and installed Lycoming blanking plate and gasket. Magnetos 4270, S/N 89100276 and 4371, S/N 99041153, repaired by Aircraft Ignition Services. See 8130 for details. Alternator, S/N 94163, overhauled by Modified Aircraft Accessories. See 8130 for details. Installed New Horizons ignition leads, P/N L30-SAS-II. Carburetor P/N 10-5135, S/N CK-10-5120 OH by Mike's Aircraft Fuel Metering. See 8130 for details. Repaired and painted baffle. Installed new baffle springs. Flushed oil cooler and installed new oil hoses. Replaced fuel hose from gascolator to carburetor. Installed Dynamic Propeller Carburetor heat box baffle P/N DP0552130-11 IAW STC SA01088SE. Installed Lycoming O-320-E2D engine, S/N L-20842-27A, on aircraft N13400 IAW STC SA2375SW-D. Performed annual inspection IAW Cessna Service Manual. Serviced engine with Aeroshell W100 oil. Installed new oil filter. Checked screen Compressions test as follows: 60,72,70,78. Adjusted magneto to engine timing. Cleaned and gapped spark plugs. Pressure test exhaust system. Replaced air filter element.

Continued



222 Airport Drive, Lockhart, TX 78644
512-398-3439

N13400

11/01/2021

Tach 4426.0
C/W AD 81-15-03 and 96-09-06 by replacement of air filter assembly with new BA5110 Rev. H, 98-02-08 by inspection of crankshaft bore, next due 11/2026 or OH. I certify that this engine has been inspected IAW an annual inspection and found to be in airworthy condition at this time.

A&P/IA 3279628

and Remarks

Signature

Certificate No.

wo WO_326



Engine page 1 of 1

Southern Star Aviation - 131 Airport Dr Suite 102 Midlothian, Texas 76065 972-937-5515

N13400

TACH: 4471.0

February 16, 2022

Removed propeller to access alternator belt. Changed alternator belt with a new alternator belt P/N S1597-1-37.5 - V Belt. Adjusted new alternator belt tension. Installed propeller. Torqued propeller in accordance with Cessna Maintenance Manual and safety wire propeller bolts.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Southern Star Aviation under work order: WO_326.

Jimmy Minero A&P 3835333

William Koonce 3014392A&P

Augustus Aviation Service
9000 N. Navarro Rd.
Corsicana Tx, 75109
(469)235-4674

Completed a 100hr inspection to Engine in accordance with FAR 43 appendix D with reference to Cessna 172M maintenance manual. Complied with a differential compression test and the numbers were as follows 1) New/80 2) 76/80 3) 77/80 4) 76/80. Removed #1 cylinder and installed O/H unit S/N: 5-7624-1 with new gaskets and seals. Removed cleaned, inspected, gapped, tested, and reinstalled spark plugs. Drained oil and removed filter. Installed new filter 1ea P/N: AA48110-2 and serviced engine with 8qts Phillips 20W50 Type M oil. Lubed engine controls. I certify this Engine has been inspected in accordance with a 100hr inspection and was determined to be in Airworthy condition.

Engine
Tach: 4526.0
Date: 6/9/2022
N13400

William Koonce 3014392A&P

Total To
Carry Forward

Augustus Aviation Service
9000 N. Navarro Rd.
Corsicana Tx, 75109
(469)235-4674

AIRFRAME
LOG

Airframe
Tach: 4526.0
Date: 6/9/2022
N13400

Completed a 100hr inspection to Airframe in accordance with FAR 43 appendix D with reference to Cessna 172M maintenance manual. Removed induction air filter and installed new 1ea P/N: BA6108. Inspected and greased wheel bearings. Lubed airframe, serviced battery. C/W AD2011-10-09 seat track and roller inspection, no defects noted. Next due at Tach 4626.0. C/W AD 76-07-12R1 Bendix ignition switch, operational tested normal. I certify this Airframe has been inspected in accordance with a 100hr inspection and was determined to be in Airworthy condition.

William Koonce 3014392A&P

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Augustus Aviation Service

9000 N. Navarro Rd.

Corsicana Tx, 75109

(469)235-4674

Drained oil and removed filter, opened filter, and inspected lower screen. No metal found. Installed filter 1ea P/N: AA48110-2 and serviced engine with 8qts Phillips 20W50 XC oil. Ran engine and no leaks noted. Work performed in accordance with Cessna 172M maintenance manual. END.

William Koonce 3014392A&P

Augustus Aviation Service

9000 N. Navarro Rd.

Corsicana Tx, 75109

(469)235-4674

Cleaned spine area of engine crankcase, loosened three center bolts applied vacuum to crankcase and applied Loctite 290 thread locker to crankcase parting area. Retorqued bolts and applied sealing compound P/N: CS3204 class B1/2 over parting line. Ran engine and no oil seepage noted. Ok to return to service with respect to work completed.END.

William Koonce 3014392A&P

Engine

Tach: 4582.0

Date: 7/21/2022

N13400

Engine

Tach: 4624.0

Date: 9/15/2022

N13400

and Remarks

Signature

Certificate No.

Augustus Aviation Service

9000 N. Navarro Rd.

Corsicana Tx, 75109

(469)235-4674

N13400

Engine

TSOH: 867.71

Tach: 4668.0

Date: 12/21/2022

M/N: O-320-E2D S/N: L20842-27A

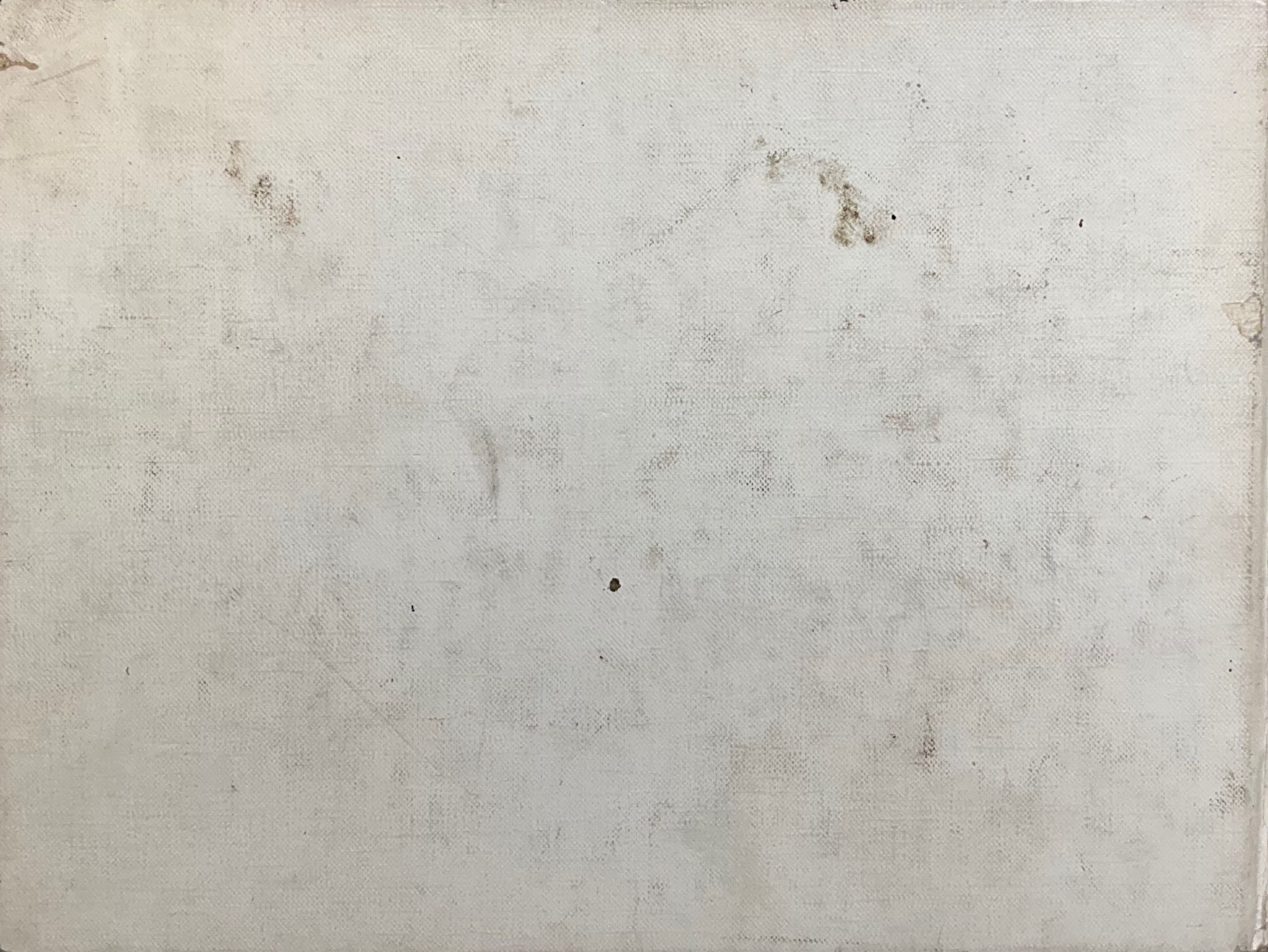
Completed a 100hr inspection to Engine in accordance with FAR 43 appendix D with reference to Cessna 172M maintenance manual. Complied with a differential compression test and the numbers were as follows 1) 78/80 2) 74/80 3) 75 /80 4) 75/80. Removed cleaned, inspected, gapped, tested, and reinstalled spark plugs. Drained oil and removed filter. Installed new filter 1ea P/N: AA48110-2 and serviced engine with 8qts Phillips 20W50 oil. Lubed engine controls. I certify this Engine has been inspected in accordance with a 100Hr inspection and was determined to be in Airworthy condition.

William Koonce 3014392A&P

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10 APR 2023				DRAINED / REMOVED FILTER. INSTALLED PHILLIPS 22W50 AC OIL. RAN ENGINE REMOVED & REPAIRED NOSE GEAR WORK PERFORMED IAW CTR
10 APR 2023	2185.7			
07-06-2024				Installed NEW spa checked exhaust s engine was inspected inspection and w condition. Willie
Total To Carry Forward				

and Remarks	Signature	Certificate No.
FILTER 1EN P/N:AA4B110-2, SERVICED W/ 84RS NO LEAK. WERE ATTACHED IN W/ C172M MAINT MANUAL. INNER TIRE TUBE. Aired up, NO LEAKS NOTED. MAINT MANUAL.	<i>[Signature]</i> <i>[Signature]</i>	4141156 4141156
KE Plugs, Changed oil + filter, system. I certify that this to in accordance with a 100 hour determined to be in AIRWORTHY w. Jahn App 3442480 IH	What kind of cert.?	





The Standard

PROPELLER LOG

ASA-SP-L

NEW ENGLAND PROPELLER SERVICE, INC.

LOT #6, EAST HADDAM INDUSTRIAL PARK
EAST HADDAM, CT 06423
F A A REPAIR STATION #3580

RATINGS
PROPELLER CLASS 1-2
LIMITED ACCESSORY

SERV
ICE
ABLE

CUSTOMER Mid Hudson Aircraft
MFG McCueley COMPONENT Propeller
REMARKS _____

MAJOR OVERHAUL. BLADES REFINISHED.
CHECKED TRACK, BALANCE, ANGLES
AND PAINTED.

ANGLES AT _____ STA. LO: _____ HI: _____ FEA: _____

Propeller Manufacturer McCawley

Type Fixed Pitch

Blade #

Date of Manufacture:

[illegible]

Serial #

Cessna 172 (N19707)

17260688

☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Date	Total Time	Time Since Overhaul	Description
April 4, 1991	ESTIMATED 2062.1	62.1	I HEREBY CERTIFY THAT THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. NOTE AD'S IN REAR OF BOOK ALL AD'S COMPLIED WITH TO DATE.
Next Inspection Due: 4/4/1992 Mech. Cert. # or Repair Station # 067469574 IA			

Date	Total Time	Time Since Overhaul	Description
5/11/92	2148.1 ESTIMATED	148.1	I HEREBY CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
Next Inspection Due: Mech. Cert. # or Repair Station # 067469574 IA			

Date	Total Time	Time Since Overhaul	Description
6/6/94	22295.9	295.9	BERNISHED LEADING EDGE. REFINISHED PROP BLADE FACES. NO APPLICABLE AD'S TO DATE.
Next Inspection Due: Mech. Cert. # or Repair Station # 067469574 ACP			

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Date	Total Time	Time Since Overhaul	Description
6-20-96	46.7		Inspected 1A9 G-172 100hr Insp. I certify this propeller has been inspected 1A9 100hr Insp. and is in Airworthy Condition. Saw Paul Miller on 11/4/96.
Next Inspection Due: Mech. Cert. # or Repair Station #			

Date	Total Time	Time Since Overhaul	Description
7/25/97	499.4	SMOH.	Tachometer 6582.8 Total Time. I certify that this (prop engine) has been inspected in accordance with a ANNUAL (100 HOUR) inspection and was determined to be in airworthy condition. DAVID MATHIESEN Time since last Insp. 37.9 A & P 138641126 I.A.
Next Inspection Due: Mech. Cert. # or Repair Station #			

Date	Total Time	Time Since Overhaul	Description
June 15, 99	6680	592	Annual inspection & was determined to be in 592 SMOH airworthy condition. I certify this prop has been inspected 1A9 100hr Insp. and is in Airworthy Condition. Saw Paul Miller on 11/4/96.
Next Inspection Due: Mech. Cert. # or Repair Station # ACP 5742039 PA			

☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Date	Total Time	Time Since Overhaul	Description
11-15-03	6703.00	5110.04	62.0 I certify this prop has been inspected 1/2 hr on annual inspection and was determined to be in airworthy condition.
Next Inspection Due: 08-25-01		Mech. Cert. # or Repair Station # N19707	Tach Reads 6742.7 TSPOH 659.7 6742.7

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

John S. Hughes
John S. Hughes IA 1440642

Date	Total Time	Time Since Overhaul	Description
12-20-02			TACH 6781.3 TSPOH 698.3
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION			
Next Inspection Due:	Mech. Cert. # or Repair Station # IA #1440642 John Hughes		

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Date	Total Time	Time Since Overhaul	Description
11-15-03	19707		Tach Reads 6821.7 TSPOH 738.7

I certify that this propeller has been inspected in accordance with an annual inspection procedures as outlined in Part 43 appendix (D) and was determined to be in airworthy condition.

John S. Hughes
John S. Hughes IA 1440642

Date	Total Time	Time Since Overhaul	Description
10-25-04	N19707		Tach Reads 6748.1 TSPOH 765.0

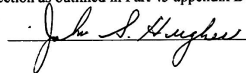
I certify that this propeller has been inspected in accordance with an annual inspection procedures as outlined in Part 43 appendix (D) and was determined to be in airworthy condition.

John S. Hughes
John S. Hughes IA 1440642

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

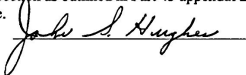
9-20-2012 N19707 McCauley 1C160/CTM7553 S/N P74887 Tach 6849.4

A.D. Notes pertaining to this model propeller checked thru 2012-19-02. I certify that this propeller has been inspected in accordance with 100hr/ANNUAL inspection as outlined in Part 43 appendix D and was determined to be in airworthy condition at this time.

 IA#1440642

Date Total Time Time Since Overhaul Description
10-10-2013 N19707 McCauley 1C160/CTM7553 S/N P74887 Tach 6890.7

A.D. Notes pertaining to this model propeller checked thru 2013-19-18. I certify that this propeller has been inspected in accordance with 100hr/ANNUAL inspection as outlined in Part 43 appendix D and was determined to be in airworthy condition at this time.

 IA#1440642

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Date Total Time Time Since Overhaul Description

10/18/2014

Tach 6509.7 tt unknown

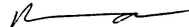
I certify that this propeller has been inspected for an annual per FAR 43 appendix "D" and found to be in airworthy condition.

Nex

Station # _____

Description

Richard A. Pierce A&P 23771751 IA



Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

Date Total Time Time Since Overhaul Description

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

☐ **HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS**

D	12/1/2016	Description
	Tach 6922.6 tt unknown	
	Performed AD search thru 12/1/2016 all found to be in compliance. I certify that this propeller has been inspected for an annual per FAR 43 appendix "D" and found to be in airworthy condition.	ition #
Next Inspection Due:		Description
D	Richard A. Pierce A&P 23771751 IA	

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

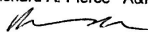
Date	Total Time	Time Since Overhaul	Description
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Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

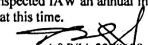
HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

		Description
12/17/2017	Repair Station #	
Tach 6953.5 tt unknown	Description	
Performed AD search thru 12/17/2017 all found to be in compliance. I certify that this propeller has been inspected for an annual per FAR 43 appendix "D" and found to be in airworthy condition.		
Richard A. Pierce A&P 23771751 IA	Repair Station #	
	Description	
	Repair Station #	

☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Date	Description	Station #
7/19/2019	Tach 7034.6 tt unknown.	
Performed AD search thru 7/19/2019 all found to be in compliance. I certify that this propeller has been inspected for an annual per FAR 43 appendix "D" and found to be in airworthy condition.		
Richard A. Pierce A&P 23771751 IA		
		

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Date	Total Time	Time Since Overhaul	Description
4-2-2020			THIS TROP REMOVED FROM N-19707 & SENT TO BYAM PROPELLER - FT. WORTH, TX FOR RE-PITCH & BALANCE
Next Inspection Due: _____ Mech. Cert. # or Repair Station # TO COMPLY WITH			
Date	Total Time	Time Since Overhaul	Description
			STC FOR RAM 160 HP. CONVERSION
 KEN'S MOBILE SERVICES 222 Airport Drive, Lockhart, TX 78644 512-398-3439			
Tach 4426.0	N13400	11/01/2021	Repair Station #
Performed annual inspection IAW Cessna Service Manual. Propeller serviced by Byam Propeller Service. See 8130 for details. Installed propeller 1CTM7557M1, S/N P74887, and safetied. I certify that this propeller has been inspected IAW an annual inspection and found to be in airworthy condition at this time.			
 A&P/IA 3279628 Repair Station #			

☐ AIRWORTHINESS DIRECTIVES

A.D. #	Date	Total Hours	Complied by the following:
66-23-02	11-10-89	UNKNOWN	0 th SINE OVERHAUL BY NEW ENGLAND PROP SEE YELLOW TAG @ FRONT OF BOOK

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

A.D. #	Date	Total Hours	Complied by the following:
--------	------	-------------	----------------------------

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

Augustus Aviation Service
9000 N. Navarro Rd.
Corsicana Tx, 75109
(469)235-4674

N13400

Propeller ☐
Tach: 4668.0
Date: 12/21/2022

Completed a 100hr inspection to Propeller in accordance with FAR 43 appendix D with reference to Cessna 172 M maintenance manual. No defects noted. Dressed prop blades as needed. I certify this Propeller has been inspected in accordance with a 100Hr inspection and was determined to be in Airworthy condition.

William Koonce 3014392A&P

Ne

Date	Total Hours	Complied by the following:
------	-------------	----------------------------

2024
INSPECTED IN A 100 HOUR INSPECTION AND WAS DETERMINED TO BE
IN AIRWORTHY CONDITION. BLADE TRACK > 3/32" NO BLADE DAMAGE
WAS NOTED. WHEEL FULL. ATP 3442480 TA

Next Inspection Due: _____ Mech. Cert. # or Repair Station # _____

01/03/91 (RCR2056)
13:33:31 (RMS_EM)

AIRWORTHINESS DIRECTIVE SUMMARY SUBJECT INDEX
REVISION DATE: 1/14/91 91-01M
INDEX OF: PROPELLER AD'S VOLUME I

PAGE: 9

MANUFACTURER MODEL AFFECTED	AD NUMBER	FICHE & GRID	DESCRIPTION	EFFECTIVE DATE	COMPLIANCE TIME/ APPLICABLE S.I.
(Continued from previous page) MCCAULEY INDUSTRIAL CORP. D3A34C APPROVAL#: P47GL	77-26-03 82-27-02 R1	FUSJ171 FUSJ171	G21/H05 BLADE PITCH CONTROL FAILURE J14/K09 PROPELLER BLADE SHANK FAILURE	06/07/78 SB 129 02/22/83	
3FF32C APPROVAL#: P45GL	78-06-02	FUSJ171	H11/H17 BLADE PITCH CONTROL FAILURE	06/07/78 SB 131	
RATIER-FIGEAC FH 76 SERIES APPROVAL#: P11N	67-14-08 67-24-04	FUSJ171 M19 FUSJ171 M19	MAGNESIUM PITCH CHANGE REDUCTION GEAR HOUSING JAMMING OF THE PITCH CHANGE ACTUATOR	05/11/67 SB 61-44 08/22/67 SB 64-45	
SENSENICH CORP. C-2F SERIES APPROVAL#: 841	#63-19-04	FUSJ171	M20/M21 PROPELLER INSPECTION	10/15/63 SEE AD	
CS-2F SERIES APPROVAL#: P-861	#63-19-04	FUSJ171	M20/M21 PROPELLER INSPECTION	10/15/63 SEE AD	
C-3F SERIES APPROVAL#: 836	#63-19-04	FUSJ171	M20/M21 PROPELLER INSPECTION	10/15/63 SEE AD	
CS-3F SERIES APPROVAL#: P-869	#63-19-04	FUSJ171	M20/M21 PROPELLER INSPECTION	10/15/63 SEE AD	
M76A SERIES APPROVAL#: 1P2	#54-05-02	FUSJ171	M20 BLADE TIP FAILURES	03/15/54 SB R-2	
M74D SERIES APPROVAL#: P-886	#60-11-08	FUSJ171	M20 CRACKED NUBS	11/14/61 SB R-8-1	
76E, M76E SERIES APPROVAL#: P4EA	69-09-03	FUSJ171	M21/M22 PROPELLER BLADE TIP FAILURES	11/10/70 SB R-13, -14	
ALL FIXED PITCH METAL PROPELLERS	66-23-02	FUSJ171	M21 MID-BLADE PROPELLER FAILURES	05/16/67 SEE AD	

UNIVAIR AIRCRAFT CORP. (FORMERLY UNIVERSAL, KOPPERS)

DENOTES RECURRING INSPECTIONS MAY BE REQUIRED

