

Cessna<sup>®</sup>



**ENGINE**

**AND PROPELLER LOG**

N5426A

SERIAL NO. 517368



# Engine and Propeller Log

Comprehensive Recording of Engine  
and Propeller Records

ENGINE DESCRIPTION

Mfgr. <i>Continental</i>	Place	Date	
Type <i>H-Opposed</i>	Model <i>1510-520-R1</i>	Serial No. <i>517368</i>	
Rated H. P. <i>285</i>	Maximum H. P. <i>310</i>	Weight (Dry)	
Rated R. P. M. <i>2600</i>	Maximum R. P. M. <i>2700</i>	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio	Gear Ratio	
Propeller <i>McCaulley</i>	Hub Design <i>D3A34C402</i>	Hub Serial No. <i>793151</i>	
Blade Design <i>90DFA-10</i>	Blade Serial	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.		
Pitch <i>low 12.4°</i> <i>high 28.5°</i>	Diameter <i>80"</i>	Length	
Owner's Name	City State		
Address	City State		

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 <i>79</i>						
<i>5/22</i>	<i>1.1</i>	<i>1.1</i>		<i>Run In</i>		
<i>5/23</i>	<i>2.9</i>	<i>4.0</i>		<i>Flight Test</i>	<i>Waggon</i>	
<i>8-30-79</i>	<i>TT=</i>	<i>49.9</i>		<i>hrs change oil and oil filter 100A</i>	<i>This date 10qts Blow filter</i>	
<i>5-30-80</i>				<i>Task 134 hrs Changed oil, filter, washed engine shell, saw</i>	<i>Stephen C. Coats</i>	

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**ENGINE LOG**

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				11-1-80 Tach 160.3 changed oil & filter & washed engine. SHEK 65W installed. cleaned fuel strainer, checked compression cleaned plugs, checked timing, checked exhaust system engine mounts & finger screens. Installed new alternator filter, tightened alternator belt, filed prop, CW AD 80-4-9 per SE 17460 Fuel System mod. AD'S listed back of airframe log.		

**CHEYENNE AVIATION, INC.**

P. O. Box 788  
Newton, Ks. 67114  
316-283-5914

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

Date 11-1-80 Tach. time 160.3 Total time 160.3  
Inspected by Daniel Arnoldy IA513606151

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**ENGINE LOG**

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
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19						
				3-9-82 Tach 223° changed oil & filter serviced Aeroshell 15-50 Det. CW AD 81-24-6 by checking Torque on fuel pump CW AD 80-22-5 by installing retainer rings on nose seal CW AD 79-9-7 by inspecting exh. syst. Comp. checked #1-79 #2-77 #3-78 #4-77 #5-78 #6-78.		
				"I certify this airframe/engine has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition." Date: <u>3-9-82</u> Total Time <u>223.6</u>	<u>Larry Crath</u>	<u>AT 2129620</u>
				Signed: <u>Larry Crath</u> No. <u>AT 2129620</u> <b>CROTT'S AIRCRAFT SERVICE</b>		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 4-26-83	Tach 259.6			Changed oil & filter cleaned and gapped spark plugs Serviced Aeroshell 15-50 oil. Installed dual vac pump syst as per 5K 210-103A. Comp checked #1-79 #2-79 #3-79 #4-76 #5-79 #6-79. C/w AD 71-9-7 by Insp.		
					Ltjg Capt A/P 2129620	
CROTTS AIRCRAFT SERVICE, INC.						
I certify this <u>Eng</u> has been inspected						
in accordance with a <u>Annual</u> inspection						
and was determined to be airworthy.						
Ltjg Capt A/P 2129620						
W.O. _____ TACH <u>259.6</u> DATE <u>4-26-83</u>						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 6-7-83	Tach 273.6			Replaced 4H Vac pump with new Airborne pump.		
					Ltjg Capt A/P 2129620	

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3 Compression 1-6/80 ENGINE LOG 76, 70, 75, 71, 78, 70

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
19							
February 2, 1987				Tach Reading 323 hrs Annual Inspection - Oil & Filter change. Old Filter cupped and inspected. Serviced with AeroShell 15w50. Magneto Timing ok. points inspected and hubed. Ignition leads checked and tested. Spark plugs checked - gapped tested. Rotaled. Fuel inlet screen to throttle body cleaned. Fuel nozzle cleaned. New seats Retorqued. Rocker cover and intake hose. Alternator Belt refused. Alternator output check ok. Fitted and painted prop Replaced turbo to manifold gasket. Pressure and visual inspection on Exhaust - Heat Muff Ab 71-9-7. Air Filter serviced. Fuel strainer screen cleaned. Washed Engine and lubed conrols Adjusted Prop RPM. Engine Inducity and Power check ok. I certify this Engine has been inspected in accordance with a Annual Inspection and was determined to be returned to service. Coy Drench IASR 621862	TT 323 hrs		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE 2-2-87 TR 323 hrs

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
19							
September 22 1989				Tach Reading 380 hrs Annual Insp - Oil & Filter change. Old Filter Insp - no metal contamination. Serviced with Aero 15w50. Compression 1-6/80 70, 75, 74, 75, 78. Magneto ok. Ignition leads checked and tested. Spark plugs checked. gapped. tested Rotaled. Fuel nozzle cleaned. Throttle Body screen cleaned. Fuel Bowl cleaned. Replaced all Rocker cover gaskets New Bracket Air Filter assembly installed. Fitted and painted Prop. Engine washed. Conrols lubed. Pressure and visual Insp of Heat Exchanger and Therms Engine Inducity and Power checks ok. I certify this engine has been Insp in accordance with a Annual Insp and was determined to be returned to service. This Date Coy Drench IASR 621862 9-22-89 TR 380 hrs			

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
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19 91						
10-14	Tack Repair 422 hrs			Oil & Filter change. Serviced with Mobil 15W50 Old Filter cut open & 71512. No metal, no carbon Compression 1-6/80 70, 71, 72, 73, 75. Mag. fine, ok Exhaust heads & beams & Piston installed new Springs, plugs, pressure & visual inspection of head Exhaust and Eyno Flex big. Replaced Screw hole on head nut 71.9.7. No. 1. Air Filter insp and serviced per 84-26-02 Fuel system checked, fuel access checked Prop fixed & painted. Eyno washed - contacts lubed. Engine Indirectly & Vorn checks ok.		
				I certify this engine has been inspected in accordance with 2100 hr TSP and was determined to be safe to serve this date. <i>by Frank AP512621962</i>		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 95						
2-23	TACH =	445	4	CHANGED OIL AND FILTER SERVICED WITH PHILLIPS 20W50XC PERFORMED AD 88-03-06, 91-19-03, BOTH BY VISUAL INSPECTION REPLACED INTAKE AIR FILTER. PERFORMED ANNUAL INSPECTION. COMPRESSION 1. 72/80 2. 27/80 3. 15/80 4. 72/80 5. 78/80 6. 72/80 I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND A LIST OF DISCREPANCIES AND UNWORTHY ITEMS DATED 2-23-95 HAS BEEN PROVIDED FOR THE AIRCRAFT OWNER OR OPERATOR. <i>Richard Ake AP 442628952 1A</i>		
2-23	TACH =	445	4	I CERTIFY THAT THIS AIRCRAFT PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION <i>Richard Ake</i> <i>AP 442628952 1A</i>		

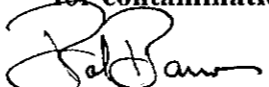
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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
19 3-5-2001	451.5			compression ck Remove cylinders for top overhaul. all cylinders reworked by J+J Airparts installed new lifters P/W SA628488, 6 cyl. Ring Set SA5201-5C2 12 Rocker Arm shaft SA652984, 12 washers SA652947, 12 bolts MS90725-12 6 gasket set SA5200T1 left hand Exhaust stack reworked by Dawley, Exhaust installed using new nuts + gasket. Installed fuel pressure hose P/W AE36381980350, nuts 20450 Type M Phillips Insp all Exhaust visual + pressure Installed new 4" AeroDuct to turbo Installed 15" AeroDuct to fuel pump. Installed shims to front engine mounts P/W S1450-7032-15, C/W AD 71-09-0121 ground run Aircraft w/rd Engine at Engine, hose, controls for condition + security. OK I certify this <del>Engine</del> Engine has been inspected I/P/W 100hr inspection and was determined to be returned to service this date.			
					Michael Weber AIP 513884069		

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ENGINE LOG

DATE	SIGNATURE	LICENSE NUMBER
19		
	Wichita Air Services 1880 Airport Road Wichita, Ks. 67209	
	Date: 4-25-01 Tach: 455.7	
	Complete differential compression check #1 74/80 #2 73/80 #3 74/80 #4 70/80 #5 74/80 #6 74/80. Removed oil filter checked for contamination, o.k. Installed new filter.	
	 Bob Baines A&P 2205738	

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DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				Capital City Air Carrier, Inc. 4000 Airport Road Pierre, SD 57501 605-224-9000		
04/23/07		N5426A		TACH=795.9=TTE		
				Compressions as follows: #1 78/80, #2 76/80, #3 79/80, #4 79/80, #5 79/80, #6 79/80. Checked mag to engine timing. Cleaned, gapped, tested spark plugs. Changed oil and filter p/n #CH48110. Serviced with 10 quarts Aeroshell 15W-50. Removed cabin heat exhaust shroud to inspect and lube thru exhaust system. Removed induction tube from throttle control elbow to replace induction coupler p/n #1250929-5. Repaired cracked engine baffling. C/W AD 96-12-22, inspected ok. Washed engine, test run for ops and leak check ok.		
				I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition IAW FAR 43 Appendix D.		
				<i>Jamie Pahl</i> A&P 2848500		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENS NUMBER
		HOURS	10THS			
19						
7/23/08				TACH = 820.4 = TTE Compressions as follows #1 74/80 #2 76/80 #3 79/80 #4 78/80 #5 78/80 #6 78/80. Changed oil + filter. Serviced with 10 qts Aeroshell 15w-50. Checked mag to engine timing. Cleaned, gapped, + tested plugs. Removed heat shroud to inspect exhaust. Replaced bolts on #2 cyl. slip joint clamp. Inspected + lubed engine controls. Washed engine. See airframe log this date for AD compliance. Test run for ops + leak check ok.	I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. IAW FAR 43 APP D.	100hr
					<i>Jamie Pahl</i> A&P 2848500	

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