

Cessna<sup>®</sup>



**ENGINE**

AND PROPELLER LOG #1

N 7575V SERIAL NO. L-15354-51A

ENGINE DESCRIPTION

Mfgr. Zenith Place \_\_\_\_\_ Date \_\_\_\_\_  
 Type Radial Model IO-360-A1B6D Serial No. Z-15354-51A  
 Rated H. P. 200 Maximum H. P. 200 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 DP Paulsen Hub Design B2D34C207 Hub Serial No. 758419  
 Blade Design 78TCA-0 Blade Serial K52683 Blade Serial K52699 Blade Serial \_\_\_\_\_  
 Maximum Hub H. P. \_\_\_\_\_ Maximum Blade H. P. \_\_\_\_\_  
 Pitch 1/129° Diameter 78" Length \_\_\_\_\_  
4/275°  
 Owner's Name \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1976						
3/16	.4		.4	Run-in	<i>[Signature]</i>	
3/17	2.2	2.6			<i>[Signature]</i>	
6-4-76	1.5	4.1		Checked engine compression Retimed valves to engine. Changed oil & filter. Cleaned spark plugs & tested spark plugs. Replace oil filter & bleed line. Washed engine & removed detritus & ible mixture oil.	<i>[Signature]</i>	
6-4-76	1.5	5.6			<i>[Signature]</i>	
6-4-76	1.5	7.1			<i>[Signature]</i>	
6-4-76	1.5	8.6			<i>[Signature]</i>	
6-4-76	1.5	10.1			<i>[Signature]</i>	
6-4-76	1.5	11.6			<i>[Signature]</i>	
6-4-76	1.5	13.1			<i>[Signature]</i>	
6-4-76	1.5	14.6			<i>[Signature]</i>	
6-4-76	1.5	16.1			<i>[Signature]</i>	
6-4-76	1.5	17.6			<i>[Signature]</i>	
6-4-76	1.5	19.1			<i>[Signature]</i>	
6-4-76	1.5	20.6			<i>[Signature]</i>	
6-4-76	1.5	22.1			<i>[Signature]</i>	
6-4-76	1.5	23.6			<i>[Signature]</i>	
6-4-76	1.5	25.1			<i>[Signature]</i>	
6-4-76	1.5	26.6			<i>[Signature]</i>	
6-4-76	1.5	28.1			<i>[Signature]</i>	
6-4-76	1.5	29.6			<i>[Signature]</i>	
6-4-76	1.5	31.1			<i>[Signature]</i>	
6-4-76	1.5	32.6			<i>[Signature]</i>	
6-4-76	1.5	34.1			<i>[Signature]</i>	
6-4-76	1.5	35.6			<i>[Signature]</i>	
6-4-76	1.5	37.1			<i>[Signature]</i>	
6-4-76	1.5	38.6			<i>[Signature]</i>	
6-4-76	1.5	40.1			<i>[Signature]</i>	
6-4-76	1.5	41.6			<i>[Signature]</i>	
6-4-76	1.5	43.1			<i>[Signature]</i>	
6-4-76	1.5	44.6			<i>[Signature]</i>	
6-4-76	1.5	46.1			<i>[Signature]</i>	
6-4-76	1.5	47.6			<i>[Signature]</i>	
6-4-76	1.5	49.1			<i>[Signature]</i>	
6-4-76	1.5	50.6			<i>[Signature]</i>	
6-4-76	1.5	52.1			<i>[Signature]</i>	
6-4-76	1.5	53.6			<i>[Signature]</i>	
6-4-76	1.5	55.1			<i>[Signature]</i>	
6-4-76	1.5	56.6			<i>[Signature]</i>	
6-4-76	1.5	58.1			<i>[Signature]</i>	
6-4-76	1.5	59.6			<i>[Signature]</i>	
6-4-76	1.5	61.1			<i>[Signature]</i>	
6-4-76	1.5	62.6			<i>[Signature]</i>	
6-4-76	1.5	64.1			<i>[Signature]</i>	
6-4-76	1.5	65.6			<i>[Signature]</i>	
6-4-76	1.5	67.1			<i>[Signature]</i>	
6-4-76	1.5	68.6			<i>[Signature]</i>	
6-4-76	1.5	70.1			<i>[Signature]</i>	
6-4-76	1.5	71.6			<i>[Signature]</i>	
6-4-76	1.5	73.1			<i>[Signature]</i>	
6-4-76	1.5	74.6			<i>[Signature]</i>	
6-4-76	1.5	76.1			<i>[Signature]</i>	
6-4-76	1.5	77.6			<i>[Signature]</i>	
6-4-76	1.5	79.1			<i>[Signature]</i>	
6-4-76	1.5	80.6			<i>[Signature]</i>	
6-4-76	1.5	82.1			<i>[Signature]</i>	
6-4-76	1.5	83.6			<i>[Signature]</i>	
6-4-76	1.5	85.1			<i>[Signature]</i>	
6-4-76	1.5	86.6			<i>[Signature]</i>	
6-4-76	1.5	88.1			<i>[Signature]</i>	
6-4-76	1.5	89.6			<i>[Signature]</i>	
6-4-76	1.5	91.1			<i>[Signature]</i>	
6-4-76	1.5	92.6			<i>[Signature]</i>	
6-4-76	1.5	94.1			<i>[Signature]</i>	
6-4-76	1.5	95.6			<i>[Signature]</i>	
6-4-76	1.5	97.1			<i>[Signature]</i>	
6-4-76	1.5	98.6			<i>[Signature]</i>	
6-4-76	1.5	100.1			<i>[Signature]</i>	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1976						
August 3, 1976				Checked compression <sup>1.80</sup> / <sub>77</sub> 2.80 <sup>2.80</sup> / <sub>77</sub> 3.80 <sup>4.80</sup> / <sub>75</sub> Changed oil + filter. Closed gapped & tested spark-plugs. Cleaned air filter. Washed cdy. Run up ok.		
				Date 8-3-76 Tech 502 Total Time 202 W.O. # 893		
				I certify that this aircraft/power plant has been inspected in accordance with a <u>100 Hour</u> inspection and was determined to be in airworthy condition.		
				Signature <u>Ray Caldwell</u> for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1976						
Oct. 15, 1976	304 hrs. TT.			Checked eng compression <sup>1.80</sup> / <sub>75</sub> 2.80 <sup>3.80</sup> / <sub>77</sub> 4.80 <sup>5.80</sup> / <sub>79</sub> Changed oil + filter 200#Phillips + CF-100 filter. Cleaned spark-plugs & tested. Washed eng. Run up ok.		
				Date 10-15-76 Tech 304 Total Time 304 W.O. # 905		
				I certify that this aircraft/power plant has been inspected in accordance with a <u>Hundred Hour</u> inspection and was determined to be in airworthy condition.		
				Signature <u>Ray Caldwell</u> Chief Inspector for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE 19 77	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
Feb 23		404	huv.	Checked eng compression as follows: <sup>1.80</sup> 1.70 <sup>2.80</sup> 2.70 3.80 4.80 Changed oil + filter. Cleaned cowl + tested spark plugs. Cleaned fuel + air filters. Washed eng. run up ok.		
Date <u>2-23-77</u> Tach <u>404</u> Total Time <u>404</u> W.O. # <u>973</u>				I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.		
Signature <u>Gary Johnson</u> Chief Inspector for				RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE 19 77	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
May 5		495	huv.	Checked eng compression as follows: <sup>1.80</sup> 1.70 <sup>2.80</sup> 2.70 3.80 4.80 Replaced ring on oil guide drain. Installed New RHM38E Champion spark plugs. Replaced #2 Top lead. Changed oil to 100W Shell + CTO-100 filter, cleaned air + fuel filter. Checked mag turning ok washed eng run up ok.		
Date <u>5-5-77</u> Tach <u>495</u> Total Time <u>495</u> W.O. # <u>1024</u>				I certify that this aircraft/power plant has been inspected in accordance with a <u>Hundred Hour</u> inspection and was determined to be in airworthy condition.		
Signature <u>Gary Johnson</u> Chief Inspector for				RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE 19 77	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
July 13, 1977		595	hr	Checked compression 1.89 7/16 2.89 7/17 3.89 7/17 4.89 7/18. Repaired right muffler shrouds. Changed oil + filter used 100W Shell + CFC-100 filter. Cleaned fuel + air filter. Cleaned gapped + tested spark plugs. Checked mag timing ok. Washed my sensors.		
Date 7-13-77 Tach 595 Total Time 595 W.O. # 1425				I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.		
Signature <u>[Signature]</u> for				RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE 19 77	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
August 26		695	hr	Checked compression 8/17 8/17 8/17 8/18. Changed oil + filter. Cleaned fuel + air filter. Cleaned gapped, + tested spark plugs washed mag. Run - p/ok.		
Date 8-26-77 Tach 695 Total Time 695 W.O. # 1406				I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.		
Signature <u>[Signature]</u> for				RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE 19 77	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
July 13, 1977		595	hr	Checked compression <del>1.89</del> <del>76</del> <del>70</del> <del>77</del> <del>3.85</del> <del>4.89</del> <del>78</del> . Repaired Right muffler shrouds. Changed oil & filter used 100W Shell & CFC-100 filter. Cleaned fuel & air filter. Cleaned sapped & tested spark plugs. Checked mag timing ok. Washed my runway.		
Date <u>7-13-77</u> Tach <u>595</u> Total Time <u>595</u> W.O. # <u>1025</u>				I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.		
Signature <u>[Signature]</u> for				RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE 19 77	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
August 26		695	hr	Checked compression <del>2.77</del> <del>3.77</del> <del>3.77</del> <del>3.78</del> . Changed oil & filter. Cleaned fuel & air filter. Cleaned & gapped, & tested spark plugs washed mag. Run - p/ok.		
Date <u>8-26-77</u> Tach <u>695</u> Total Time <u>695</u> W.O. # <u>1106</u>				I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.		
Signature <u>[Signature]</u> for				RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
1977 November 18		795	h	Checked eng compression 1.89/19 2.80/19 3.80/19 4.80/19 C/WAD 77-17-07V Bedix (B) Replace Bearing (a) Rotor clearance carb (C) Condenser oil installed one new one + paint. (d) N/A B. S/W. No further compliance necessary. Replaced fuelcock seals & gaskets on #2 & B. Inspected new intake gasket #2. Installed manifold pressure line w/indicator skit SK127-34. Checked oil & filter used 65W Shell + CFC-100 filter. Cleaned spark plugs & fuel & air filters. Washed eng manifold. Date 11/22/77 Tach 795hr Total Time 795hr W.O. # 166 I certify that this aircraft/power plant has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. Signature Gary S. Lewis Chief Inspector for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22			

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
1978 March 29		895	h	Checked eng. compression 1.89/77 2.80/78 3.80/79 4.80/78 Change oil & filter added Champion adapter Plate no spins on filter can be used used 100cc Shell + CH48104 filter. Cleaned gapped & tested spark plugs. Cleaned screens air & fuel, Washed eng. Run up ok. Date 3/29/78 Tach 895hr Total Time 895hr W.O. # 1261 I certify that this aircraft/power plant has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. Signature Gary S. Lewis Chief Inspector for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22			

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1978						
July 27	1978	995	h	Engine Major overhauled at this because of metal found main bearing dowel broken off. Overhauled engine according to Lycoming overhaul Manual using the following New parts - ① 40796 AC fuel pump. ② R44 38E Plug. ③ LW14820 Snaprings ④ 73810 Bushing. ⑤ LW12186 Nuts. ⑥ LW13834 Bearings ⑦ LW11020 bearing ⑧ 102RB Bush ⑨ 61084 Spring. ⑩ MS13998-3 Cap. ⑪ LW13775 Impeller ⑫ 62388 Cap. ⑬ SW-3601-A1 Ring set ⑭ 60828 Plug ⑮ 72997 Guide ⑯ 72877 Body ⑰ 73111 Valves ⑱ STD 347 hose ⑲ C299501-0104 Mounts ⑳ 72050 Key ㉑ MS13997-3 Key ㉒ LW13209 Bearing ㉓ 72801 Counter weightassy. ㉔ LW14040 bear ㉕ 75061 Belt ㉖ DAXX-44A Belt ㉗ LW10997 Roller ㉘ LW10945 Roller ㉙ 60746 Impeller ㉚ LW11754 Cam. New fuel & oil hose, all new gaskets & seals. New air & oil filter used. Phillips 5014 oil. Curbco. Repair by Durco & Maguffin by Woodhouse.		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1978						
July 27		995		I certify that this engine has been overhauled accordance with Lycoming manual & was determined to be in airworthy condition.		
				Prop overhauled at this time & covers. Maint Release in Date 7/27/78 Tach 795 Total Time 795 W.O. # 1316		
				I certify that this aircraft/power plant has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.		
				Signature <i>Gary Soldvick</i> Chief Insp. for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #304-22		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
1978	Oct. 3, 1978			Engine Compression 1.80/76 2.80/78 3.80/76 4.80/76 Changed oil + filter (Shell 80W - Champion CH 48104) Cleaned fuel screen and air filter. Cleaned, gapped and tested spark plugs. 1/2 Bendix AD 78-18-04 Part A - Accomplished 11/18/77 Part B - previously 1/2, Part C - previously 1/2, Part D - 1/2 by S/N. Part E - due at 2,000 hrs time in service or Sept 1980 whichever occurs first. Washed eng. Run-Up OK			
Date 10/3/78 Tach 1098 Total Time 1098 W.O. # 1400 I certify that this aircraft/power plant has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Signature Roy Konick, Inspector for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #30422							

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
1978	Dec 4			1195 on tach 200 S.M.O.H. Checked compression 1.80/73 2.80/76 3.80/73 4.80/76 C/w Part E) AD 78-18-04 Bendix AD completely c/w. Installed new mag harness. Replaced a/c duct between muffler & muffler. Changed oil + filter, used 65W Cleaned spark plugs. Cleaned & air filter Washed eng. run up ok.			
Date 12/4/78 Tach 1195 Total Time 1195 W.O. # 1436 200 S.M.O.H. I certify that this aircraft/power plant has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Signature Gary Soderwick Chief Insp for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #30422							

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1978	Oct. 3, 1978			Engine Compression 180/76 2.80/78 3.80/76 4.80/76 changed oil + filter (Shell 80W - Champion CH 48104) cleaned fuel screen and air filter. Cleaned, gapped and tested spark plugs. 1/2 Bendix AD 78-18-04 Part A - Accomplished 11/18/77 Part B - previously 1/2, Part C - previously 1/2, Part D - P/A by S/N. Part E - due at 2,000 hrs time in service or Sept 1980 whichever occurs first. Washed eng. Run-Up OK		
				Date 10/3/78 Tach 1098 Total Time 1098 W.O. # 1400 I certify that this aircraft/power plant has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Signature Roy Konicek, Inspector for RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #30422		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1978	Dec 4			200 S.M.O.H. Checked compression 1.80/73 2.80/76 3.80/73 4.80/76 C/w Part (e) AD 78-18-04 Bendix A.D. completely C/W. Installed new mag harness. Replaced a/c duct between muffler to muffler. Changed oil + filter, used 65W cleaned spark plugs. Cleaned fuel & air filters. Washed eng run up etc.		
				Date 12-4-78 Tach 1195 Total Time 1195 W.O. # 1436 200 S.M.O.H. I certify that this aircraft/power plant has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Signature Gary Solvick Chief Inspector RANCH AERO INC, WATERLOO, IOWA F.A.A. Approved Repair Station #30422		

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
Jan. 29, 1979		Tach 1247 hrs.	252 5MOH	Changed oil. (Aeroshell 65W)		
<small>The repairs noted above are approved for return to service.                  Details of this repair on file at this facility under                  W.O. # _____ Signed <u>Roy Konicek</u></small>						
<small>W.O. # <u>1499</u></small>						
<small>RANCH AERO INC.                  Waterloo, Iowa Municipal Airport, Waterloo, Iowa                  F.A.A. Approved Repair Station #304-22</small>						

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ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
March 30, 1979		Tach 1295 hrs.	300 hrs. 5MOH	Engine Comp. 1.80/78 2.80/78 3.80/78 4.80/78 and filter (Aero Phillip 80A and CH48104) cleaned, gapped, and tested spark plugs. Cleaned air filter and fuel screens. Painted Propeller. Washed engine and run-up OK.		
<small>Date 3/30/79 Tach 1295 Total Time <sup>1295</sup> 300 5MOH W.O. # <u>1582</u></small>						
<small>I certify that this aircraft/power plant has been inspected in                  accordance with a <u>Annual</u> inspection                  and was determined to be in airworthy condition.</small>						
<small>Signature <u>Roy Konicek, Insp.</u> for</small>						
<small>RANCH AERO INC, WATERLOO, IOWA                  F.A.A. Approved Repair Station #304-22</small>						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
June 29, 1979				Tach 1340 hrs. 355 hrs SMOH Changed oil and filter (Aeroshell 100w and CH 48104)		
<p>The repairs noted above are approved for return to service.                  Details of this repair on file at this facility under                  W.O. # 1728 Signed Roy Konicek Insp.</p> <p>RANCH AERO INC.                  Municipal Airport, Waterloo, Iowa                  F.A.A. Approved Repair Station #304-22</p>						
August 13, 1979				Installed new Vac. pump S/N 6E-11702		
<p>The repairs noted above are approved for return to service.                  Details of this repair on file at this facility under                  W.O. # 1812 Signed Gary Solovisch</p> <p>RANCH AERO INC.                  Municipal Airport, Waterloo, Iowa                  F.A.A. Approved Repair Station #304-22</p>						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
Dec 21, 1978				1418 hrs. Compression tested # 1897 2-10/79 385 487/78 Changed oil & filter. 20W-50 Phillips & CH 48104 Mag AD 79-18-06 Date 7-17-79 C/W Big Bendix comp. on 12-14-79 & Reinstalled mag. Cleaned gapped & tested spark plugs. Cleaned air filter Replaced # 1 hex studs & gaskets Replaced muffler crossover & stat tubing. Washed my nitro oil.		
<p>Date 12-21-78 Tach 1418 Total Time 1418 W.O. # 1943                  I certify that this aircraft/power plant has been inspected in                  accordance with a <u>Annual</u> inspection                  and was determined to be in airworthy condition.                  Signature Gary Solovisch Insp. for                  AIR CENTER LTD., WATERLOO, IOWA 50701                  F.A.A. Approved Repair Station #304-22</p>						

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This Tag Must Accompany Instrument To Honor Warrant  
 Approved For Further Service  
 Date

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1980 July 18		1493	hrs	Changed oil + filter used 20W-50 Phillips + CH48104.		
<p>The repairs noted above are approved for return to service.                  Details of this repair on file at this facility under                  W.O. # 2278 Signed <i>Gary Seldersel</i></p> <p>AIR CENTER, LTD.                  Municipal Airport, Waterloo, Iowa 50701                  F.A.A. Approved Repair Station #304-22</p>						

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1980 Dec 14		1544	hrs	Checked compression 18% 28% 36% 48% Changed oil + filter used 20W-50 Phillips + CH48103 Installed 8 New HM-38E Spark plugs. Replaced pushrod seals #2 cylinder. Replaced R.H. Breaker + Replaced Impulse coupling on Mag. 10-382753.4 Reinstalled Magn. Closed fuel Valve screens. Washed mag assembly Done 10/16/80 Total Time 1544 W.O. #2779 I certify that this aircraft/power plant has been inspected in accordance with a V Annual inspection and was determined to be in airworthy condition. Signature <i>Gary Seldersel</i> Chief Insp for AIR CENTER, LTD., WATERLOO, IOWA 50701 F.A.A. Approved Repair Station #304-22		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
		HOURS	10THS				
1982 Feb 8		1637	400	Checked Engine Compression 1978 240 380 480 Checked mag timing etc. Replaced all valves gaskets. Changed oil & filter used 20W-50 Phillips 4P1148103 filter. Replaced engine brush blue. Closed spark plugs & Reinstalled. Replace Prop dome ring & gasket. Washed Prop & Prop run up ok. Date 2-8-82 Tach 1637 Total Time 1637 W.O. # 1126 I certify that this aircraft power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Signature <u>[Signature]</u> AIR CENTER, LTD., WATERLOO, IOWA 50701 FAA Approved Repair Station #30422			

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE
		HOURS	10THS		
1982 Feb 9		1639	400	Reinstalled Prop B2D34C207/78 TCA P 5/W 758419 after minor repairs by <u>[Signature]</u> These work order # 72513 A-P1901832	
5-5-82		1644	400	Changed oil & filter 20W50 Phillips X/K & CH 4P103 oil filter. Run up ok. John Stule A/P 4P 4P 82699	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Work Performed On This Order  
Can Not Be Considered An Overhaul  
82699  
John Stule

AC Form 8050-317/87) Supersedes previous editions  
DATE OF ISSUE  
MAY 08 1979  
International Civil Aviation Organization, United States of America, in accordance with the Convention of 1944, and regulations issued thereunder.

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 85	3-20-85	Tach 1729		Serviced and inspected i/p/w w/ g/s instructions. Adjusted Idle mixture. Washed, ran, checked for operation and leaks - OK		
		Date 3-20-85 Tach 1729 Total Time 1729 W.O. # 6229				
<p>I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.</p> <p>Signature <u>[Signature]</u> for                  Niederhauser Airways, Inc., Waterloo, Iowa                  F. A. A. Approved Repair Station No. 3045</p>						

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 86	5-15-86	Tach 1756		Serviced and inspected i/p/w w/ g/s inst. Checked engine for proper operation and leaks, washed off engine		
		Date 5-15-86 Tach 1756 Total Time 1756 W.O. # 6915				
<p>I certify that this aircraft/power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.</p> <p>Signature <u>Charles E. Shavers</u> for                  Niederhauser Airways, Inc., Waterloo, Iowa                  F. A. A. Approved Repair Station No. 3045</p>						

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 87 6-23-87	Tach 1792.7 hrs			serviced and inspected H/W mfgs inst. Washed engine, checked operation and for leaks.		
TACH/HR METER		1792.7	TOTAL 1792.7	SMOH 798.7		
DATE 6-23-87	W.O.# 7463					
I certify that this aircraft/power plant has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition.						
Signature <u>Charles Graves</u> for Niederhauser Airways, Inc. Waterloo, Iowa F. A. A. Approved Repair Station No. 304-5						

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 88 7-18-88	Tach 1831.7 hrs			serviced and inspected H/W mfgs inst. Compression checked better than 70 on all cylinders. Changed oil and filter with Phillips 1C, cleaned engine, ran checked operation and for leaks.		
TACH/HR METER		1831.7	TOTAL 1831.7	SMOH 837.7		
DATE 7-18-88	W.O.# 3081					
I certify that this aircraft/power plant has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition.						
Signature <u>Charles Graves</u> for Niederhauser Airways, Inc. Waterloo, Iowa F. A. A. Approved Repair Station No. 304-5						

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 89 9-12-89	TACH 1849			Service + inspected I/A/W mfgs instruction checked all systems for proper operation. Checked compression. all cylinders above 75/80. Changed oil + filter. Checked for oil leaks.		
		TACH/ <del>HR METER</del> 1849 TOTAL 1849 SMOH 854				
		DATE 9-12-89 W.O.# 8745				
I certify that this aircraft/power plant has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.						
Signature <u>Lawrence Gruman</u> for Niederhauser Airways, Inc. Waterloo, Iowa F. A. A. Approved Repair Station No. <u>CSAR 993C</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 90 10-5-90	Tach 1867.3 HR			Service and inspected I/A/W mfgs instr. Checked all systems for proper operation. Checked compression as follows: 1 <sup>st</sup> 75/80 2 <sup>nd</sup> 75/80 3 <sup>rd</sup> 75/80 4 <sup>th</sup> 75/80. Changed oil & filter with Phillips 1/4 20W50. Checked old filter for metal none found. C/W A.D. 90-04-06 (2-15-90) Governor oil line Para (a)(1) inspected and found O.K.		
		TACH/ <del>HR METER</del> 1867.3 TOTAL 1867.3 SMOH 872				
		DATE 10-5-90 W.O.# 9247				
I certify that this aircraft/power plant has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.						
Signature <u>Charles Hayes</u> for Niederhauser Airways, Inc. Waterloo, Iowa F. A. A. Approved Repair Station No. <u>CSNR993C</u>						

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
12-17-91	Tach time 1887 hrs.			Serviced & inspected per mfgs. instructions; AD 90-04-06 R1 (5-28-91) Gov. oil line has all the correct components & attachments; Replaced no. two oil pump rod shroud tube & seals; Replaced crankshaft seal; C/W 400 hrs. valve components inspection; replaced all Rocker Cover Gaskets; Cleaned eng. Checked operation. Compression Chk's: Installed Phillips xC 20W50 oil.		
	1. 2. 3. 4.			TACH/MR METER 1877 TOTAL 1877 SMOH 882		
	77 77 77 77			DATE 12-17-91 W.O.# 9650		
	80 80 80 80			I certify that this aircraft/power plant has been inspected in accordance with a <u>PROPELLED</u> <u>Annual</u> inspection and was determined to be in airworthy condition.		
				Signature <u>Lawrence Guzman</u> for Niederhauser Airways, Inc. Waterloo, Iowa E.A.A. Approved Repair Station No. CSNR993C		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
2-4-92	Tach + Total Time	1884.0		Complied with AD 78-09-07 K#3 Dated 1-17-83 Bendix impulse inspection in accordance with SB 599D impulse coupling within limits next inspection due at 2384.0 in accordance with AD 78-09-07 K#3 para b note SB 599D recommends inspection every 100 Hours Richard Barden B&P 480906339		
10-9-92	Tach 1896.6 hrs.			Viewed engine and records for effectivity of AD 92-20-01 dated 9-14-92 on Lycoming diaphragm fuel pumps overhauled by Cleve Accessories, etc. This AD does not apply to this engine.		
				Niederhauser Airways, Inc. Waterloo, Iowa E.A.A. Approved Repair Station No. CSNR993C		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER												
		HOURS	10THS															
1992																		
12/17	Tada	1896.7		serviced + inspected T/A/W mfgs instructions														
	A.D. 92	12.05		Textron Lycoming Piston Pin Replacement. Does not apply to this engine. Changed oil + filter. Serviced with 8 qts Phillips X/C 20W50. Checked filter for leaks OK. Performed compression check														
				Washed engine with solvent.														
				<table border="1"> <tr> <td>74</td> <td>78</td> <td>72</td> <td>75</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> <tr> <td>*1</td> <td>*2</td> <td>*3</td> <td>*4</td> </tr> </table>	74	78	72	75	80	80	80	80	*1	*2	*3	*4		
74	78	72	75															
80	80	80	80															
*1	*2	*3	*4															
		TACH/HR METER 1896.7 TOTAL 1896.7 SMOH 901.7																
		DATE 12-17-92 W.O.# 9980																
		I certify that this aircraft power plant has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.																
		Signature <u>Michael A. Hubbell</u> for Niederhauser Airways, Inc. Waterloo, Iowa F.A.A. Approved Repair Station No. CSNR993C																

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1994						
2-14-94				Serviced and inspected Hatzel mfgs, inst. Changed oil & filter w/ Phillips X/C 20W50. Checked filter for metal, none found. Checked compression as follows: #1 $\frac{68}{30}$ #2 $\frac{68}{30}$ #3 $\frac{71}{30}$ #4 $\frac{74}{30}$ Ran engine. Checked operation and for leaks.		
				TACH/HR METER 1914.6 TOTAL 1914.6 SMOH 911.6		
				DATE 2-14-94 W.O.# 10330		
				I certify that this aircraft power plant has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition.		
				Signature <u>Charles E. Jones</u> for Niederhauser Airways, Inc. Waterloo, Iowa F.A.A. Approved Repair Station No. CSNR993C		

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 95						
3-1-95	Tach	1933.4		hrs. Changed oil & filter w/ Phillips <sup>14</sup> . Inspected filter for metal. None found. Checked compression and found O.K. (w AD 93-02-05 (6-14-93)) Fuel injection line inspection. Replaced all spark plugs with new Champion RHM 38E plugs. Ran engine, checked operation and for leaks.		
		TACH/METER 1933.4 TOTAL 1933.4 SMOH 938.4				
		DATE 3-1-95 W.O. # 10690				
I certify that this aircraft/power plant has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.						
Signature <u>Charles E. Shaves</u> for Niederhauser Airways, Inc. Waterloo, Iowa F.A.A. Approved Repair Station No. CSNR993C						

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						
3-17-95	Tach time	1933.5		hrs. Complied with Lycoming Service Bulletin # 518A inspection of thermostatic bypass valve. Reinspect annually. Lawrence Krumer Niederhauser Airways, Inc. Waterloo, Iowa F.A.A. Approved Repair Station No. CSNR993C		
3-29-96	Tach	1940.3		hrs. Changed oil & filter w/ Phillips M oil. Inspected old filter for metal, none found. Checked compression follows #1 topped 2 <sup>14</sup> 3 <sup>14</sup> 4 <sup>14</sup> . Installed new T2897805 exhaust valve guide in #1 cylinder, ground intake and exhaust valves and seats. Honed cylinder, installed new rings, gaskets and seals. Ran engine, checked operation and for leaks.		
		TACH/METER 1940.3 TOTAL 1940.3 SMOH				
		DATE 3-29-96 W.O. # 11010				
I certify that this aircraft/power plant has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.						
Signature <u>Charles E. Shaves</u> for Niederhauser Airways, Inc. Waterloo, Iowa F.A.A. Approved Repair Station No. CSNR993C						

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE



ENGINE LOG

MAINTENANCE RELEASE

SERIAL No. 758419  
 TYPE OF UNIT Propeller McCawley  
 MANUFACTURER  
 MODEL B2D34C207/78709-0  
 The component 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 agency under WORK ORDER No. 99029 DATE 8-6-96 FOR SIGNED [Signature] (over)

MAXWELL AIRCRAFT SERVICE, INC.  
 CRYSTAL AIRPORT • MINNEAPOLIS, MINN. 55429  
 FAA Approved Repair Station No. UF2R211L

DATE	DURATION	ACCUMULATED TOTAL TIME
	HOURS	
8-2-96	TACH 10	
8-11-97	TACH 1961	
TOTAL 1961.2 SMOH 966.2		

aircraft/power plant has been inspected  
 in satisfactory condition.  
 for

Waterloo, Iowa  
 ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

2814 Airport Blvd. 234-1783  
 Waterloo, IA 50703  
 F. A. A. Approved Repair Station No. CSNR993C  
 Dr. Noel Rob. Faillie  
 Magneto MFRG Bendix MODEL 4LN-2021  
 NO. 6538  
 ACCOMPLISHED Overhauled 4 T  
 REPAIRED BY [Signature] DATE 4-11-97  
 BY [Signature] DATE 4-11-97

PROPELLER INSPECTION & REPAIRS

INSPECTION				REPAIRS	
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE
5-21-98		1987-2 tach serviced and inspected with Elbe mfgs inscription change oil and filter. cut open old filter check for metal noise found serviced with 87's oil. inspection checks as follows #1 75% #2 48% #3 76% #4 76% installed new fuel hose mil-H-8754-6 checked for leaks none found checked wing plugs tested clean and inspected fuel system cleaned engine and root run checked for leaks none found.			
					METER 1982 TOTAL 12822 SMOH
5-21-98					power plant has been inspected and is in satisfactory condition. for Chamber Airways, Inc. Waterloo, Iowa F. A. A. Approved Repair Station No. CSNR993C

License Nos K52683 + K52699  
 Completed with Mueller Bulletin #192A  
 Completed with McCauley Service Letters #1975-5,  
 #1981-4, #1991-2, #1993-5 + #1994-19A.

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
8-7-96	TACH	1943		hrs reinstalled overhauled prop serial # 758419		
P/N	B2D34C2071	78TCB-0	OPS CK OK	Medihauser Airways, Inc. Waterloo, Iowa F.A.A. Approved Repair Station No. 9993C		
4-11-97	TACH	1961.2		hrs serviced and inspected 1/4 in. valves and changed oil & filter w/ Phillips 'M' oil. Inspected and replaced for metal none found. Checked compression as follows: #1 75% #2 68% #3 76% #4 70%. Installed new 90-400167 impulse crushing cone. 4w Lycoming SB 526 Replacement of impulse crushing cone. 4w Lycoming SB 526 Replacement of impulse crushing cone. 4w Lycoming SB 518C by installing new 1N 53E22144 Valve 1N 83145. Ran engine checked operation and for leaks.		
TACH/METER	1961.2	TOTAL	1961.2	SMOH	966.2	
DATE	4-11-97	W.O. #	11333			

I certify that this aircraft/power plant has been inspected in accordance with annual inspection and was determined to be in airworthy condition.  
 Signature Charles E. Hoover for  
 Medihauser Airways, Inc. Waterloo, Iowa  
 F.A.A. Approved Repair Station No. 9993C

2814 Airport Blvd.  
 Waterloo, IA 50703 234-1783  
 F.A.A. Approved Repair Station No. CSNR993C

Airframe	Accessory	Specialized Service
CUSTOMER <u>Dr. Noel Robitaille</u>		
ARTICLE <u>Magneto</u>	<u>MFGR. Bendix</u>	<u>MODEL 4LN-221</u>
SERIAL NO. <u>6538</u>		<u>382555-11</u>
WORK ACCOMPLISHED <u>Overhauled &amp; tested</u>		
ALTERED/REPAIRED BY <u>Charles Hoover</u>	DATE <u>4-11-97</u>	
INSPECTED BY <u>Charles Hoover</u>	DATE <u>4-11-97</u>	

PROPELLER INSPECTION & REPAIRS

INSPECTION			REPAIRS		
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE
5-21-98		1987-2 tach serviced and inspected with 1/4 in. valves inspection, change oil and filter, cut open old filter for metal none found, serviced with 80's oil on inspection checks as follows: #1 75% #2 68% #3 76% #4 70%. Installed new fuel hose mil-N-8734-6 checked for leaks none found, cleaned and greased plugs, tested clean and inspected fuel system, cleaned engine and rest run, checked for leaks none found.			
					METER 1987.2 TOTAL 1787.2 SMOH
5-21-98					4662
					power plant has been inspected
					for inspection
					be in airworthy condition.
					for
					hauser Airways, Inc. Waterloo, Iowa
					F.A.A. Approved Repair Station No. CSNR993C

PROPELLER INSPECTION & REPAIRS

INSPECTION		REPAIRS	
DATE	INSPECTED BY / CONDITION	DATE	REPAIRED BY / REPAIRS MADE
6-21-99	Tach 1994.4 hrs. Serviced and inspected S/W mfgs. inst. checked compression as follows: #1 17.00 #2 17.75 #3 17.75 #4 17.75 w/Phillips M. See Airframe log for A.D. Compliance. #6 A.D. 73-02-05 (6-11-93) fuel injector line insp. Ran engine. Checked operation and for leaks.		
	TACH/HR METER 1994.4 TOTAL 1994.4 SMOH 999.4		
	DATE 6-21-99 W.O.# 11987		
I certify that this aircraft power plant has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition.			
Signature <u>Charles Shores</u> for Nisslerbusor Airways, Inc. Waterloo, Iowa F. A. A. Approved Repair Station No. CSNR993C			

MEMORANDA

Date 7/1/00 Tach 2022.6 Hrs. Serviced and inspected S/W mfgs. inst. checked compression as follows: #1 17.00 #2 17.75 #3 17.75 #4 17.75 Changed oil & filter w/Phillips M. Inspected old filter for metal, none found. See Airframe log for A.D. Compliance. Ran engine. Checked operation and for leaks.

TACH/HR METER 2022.6 TOTAL 2022.6 SMOH 1027.6

DATE 7/1/00 W.O.# 11428

I CERTIFY THAT THIS AIRCRAFT/POWER PLANT/PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNATURE Charles Shores  
LIVINGSTON AVIATION, INC. WATERLOO, IA  
FAA APPROVED REPAIR STATION NO. LVOR16UJ

5-14-01 2080.1 tach installed standby vacuum system for cruise alt. 20.25 installed and ready to use. Please refer to maintenance report by STE # 5E1229NA. Test Flamed Roaded!  
Data Report in Post in event. Dan L. Lohr #1111 LVOR16UJ

MEMORANDA

Date 7-26-01 Tach 2057.4 Hrs Serviced & Inspected. Checked  
 Compression & follows <sup>1 7/8, 2 1/8, 3 1/8, 4 1/8</sup> Chk <sup>20, 40, 80, 120</sup> oil & filter  
 with Phillips Xc. Inspected old filter for metal, none found.  
 Installed new #3 fuel injector line on PO 5B, 342 C, Ran engine on field  
 operation & fan seals. See Airframe log for AD list.  
 Compliance

TACH/HOURS 2057.4 TOTAL 2057.4 SMOH 1056  
 DATE 7-26-01 WO# 13318

I CERTIFY THAT THIS AIRCRAFT/POWER PLANT/PROPELLER  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A annual  
 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY  
 CONDITION. SIGNATURE Christine Jones FOR  
 LIVINGSTON AVIATION, INC. WATERLOO, IA  
 FAA APPROVED REPAIR STATION NO. LVOR169J

MEMORANDA

Date 8-9-02 Inspected & serviced using Cessna inspection guide; changed oil & filter;  
 cleaned suction screen; serviced with Phillips Xc oil; opened filter for  
 inspection; compression check as follows: 1 7/8, 2 1/8, 3 1/8, 4 1/8;  
 TACH/HOURS 2051.0 TOTAL 2051.0 SMOH 1085.6  
 DATE 8-9-02 WO# 13318

I CERTIFY THAT THIS AIRCRAFT/POWER PLANT/PROPELLER  
 HAS BEEN INSPECTED IN ACCORDANCE WITH A annual  
 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY  
 CONDITION. SIGNATURE Lawrence Guinan FOR  
 LIVINGSTON AVIATION, INC. WATERLOO, IA  
 FAA APPROVED REPAIR STATION NO. LVOR169J

MEMORANDA

Date

End of this Log book  
See engine Log book #2  
and propeller Log book

LIVINGSTON AVIATION INC. WATFORD, IA  
FAA APPROVED REPAIR STATION NO. 140R1821