

ENGINE RECORD - GENERAL INFORMATION

MANUFACTURER LYCOMING MODEL R 680 -17 (B4E)  
SERIAL h-014458 TYPE CERTIFICATE \_\_\_\_\_  
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT N 59463  
MINIMUM OCTANE FUEL 80 OIL GRADE SUMMER SAE 60 WINTER SAE 60  
MAGNETO TIME \_\_\_\_\_ POINT SETTING \_\_\_\_\_ FIRING ORDER \_\_\_\_\_  
SPARK PLUG GAP \_\_\_\_\_  
MFG. RECOMMENDED OVERHAUL AT \_\_\_\_\_ HOURS.

The Standard

 ENGINE LOG

REGISTERED OWNER RECORD

NAME AGRO - SPRAY DEVELOPMENT, INC. ADDRESS 3349-A SOUTH OCEAN DR.  
CITY VERO BEACH STATE FLORIDA  
NAME \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
CITY \_\_\_\_\_ ADDRESS \_\_\_\_\_  
STATE \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
NAME \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
CITY \_\_\_\_\_ ADDRESS \_\_\_\_\_  
STATE \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
NAME \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
CITY \_\_\_\_\_ ADDRESS \_\_\_\_\_  
STATE \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
NAME \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
CITY \_\_\_\_\_ ADDRESS \_\_\_\_\_  
STATE \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

NOTES

8-2-70 Engine de-preserved, changed oil.  
checked mag, cleaned carburetor,  
Installed new C-26 spark plugs.  
Run-up and checked okay.

W. V. Wacker Jr.  
A&E 1008077

T.S.O.

DATE 1970	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-2			160.0	Original log book lost. Total time unknown. Time since overhaul is 160.0.  The above information is true to the best of my knowledge.  W. V. Wacker Jr. President Agro-Spray Development Inc. Subscribed and sworn before me the 4th August 1970 Joseph J. O'Connell

Notary Public, State of Florida at Large  
Commission Expires Dec. 22, 1973  
Bonded By American Fire & Casualty Co.

T.S.O.

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8/3			160.0	
8/15		1.00	161.0	
8/30		:25	161:25	
9/4		:15	161:40	
9/25		14:00	165:40	
10/3		:35	166:15	
10/28		:20	166:35	

T.S.O

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1971				
1-1		:30	167:05	Aircraft not flown after 6-1-71. Engine run-up periodically. W.V. Hukopf IA 1008077
2-3		:30	167:35	
2-28		:30	168:05	
3-17		1:00	169:05	
4-12		:30	169:35	
5-3		:20	169:55	
6-1		:30	170:25	

T.S.O

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1972				
			170:25	1/8/72 Engine checked and performed annual preparation. Oil screens checked, carb. drained. Smoke systems for mosquito fogging installed.
				I certify that this engine was inspected in accordance with an annual inspection and found to be in airworthy condition. A.D's then 72-1 C/W.
				W.V. Hukopf IA 1008077 1/8/72

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1972				
			170:25	4/11/72 Smoke serviced and modified per FAA form 337 Dated this date, & new weight and balance. W.V. Hukopf IA 1008077
11/11		2:00	172:25	
11/18		2:00	174:25	
11/29		:15	174:40	12/20/72 Stripped propeller and die - checked. Found to be okay. Repainted and balanced. W.V. Hukopf IA 1008077
			174:40	

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1973			<del>174-46</del>	15 Feb. 1973 100 hr inspection. Changed oil, checked screens and sumps. Drained Carb. and fuel tank sumps. Replaced all rocker arm covers. Checked spark plugs. "I certify that this engine was inspected in accordance with an annual inspection and found to be in airworthy condition. AD's thru 72-26 C/W." W. V. Weeks Jr. IA 1008077 15 Feb. 1973

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1974				
3/26	62.00		236:40	3/26/74 100 hr inspection. Oil changed. (50E 60 NON-DETERGENT - KENDALL) checked and cleaned spark plugs. checked mag. Drained sumps & Carb. Comp. Check (80-70) (80-71) (80-72) (80-73) (80-74) (80-75) (80-76) (80-77) (80-78) (80-79) (80-80). "I certify that this engine was inspected in accordance with an annual inspection and was found to be in airworthy condition." AD's thru 74-6 checked W. V. Weeks Jr. N/A IA 1008077 3/26/74

DATE 1976	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4/8			240	4/8/76 100 hr. inspection changed oil (SAE 60 Kendall non-detergent) Checked. plugs and mag. Drained sump. Comp Check. (80/70) (80/72) (80/72) (80/70) (80-71) (80/70) (80/68) (80/72) (80-70). W. V. Hurd A & P 1008077 4/8/76
				I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				DATE 4-9-76 TIME IN SERVICE 240
				NAME W. V. Hurd NO. A & P 1008077

DATE 1977	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4/27			2450	100 hr. Insp. changed oil (Kendall SAE 60 non-detergent). Checked mag & plugs. Drained Cant use filter & re-illed. Washed lower engine. Drained sump & carb. Comp. check (80-70) (80-72) (80-70) (80-70) (80-70) (80-70) (80-68) (80-71) (80-70). AD-1100 - 71-07 checked. W. V. Hurd A & P 1008077 4/27/77
May		20:15	2651:5	
June		10:30	2751:25	
Aug		7:35	2759:20	

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Nov 25		5:00	2831:20	11/1/77 Installed new spark plugs
Dec.		6:07	2891:20	all cylinders. Drained sump. W. V. Hurd A & P 1008077

DATE 1978	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Brought forward			289:20	4/9/78 Replaced all engine mount rubbers. Drained oil, checked screens and sump. Refilled with Kendall Avia 170 non-detergent oil. Drained carb and sump. 100-yr. inspection
Jan		17:30	302:50	
Feb. 22		4:40	307:30	
Mar. 31		8:00	315:30	
April 9		2:30	318:00	
April 16		7:00	325:00	
May 29		28:00	353:00	
June 30		7:30	382:30	
Oct 30		2:30	385:00	
Nov. 30		3:00	388:00	
Dec. 30		4:00	392:00	
9			392:00	

W. V. Kukoja  
A&P 1008077

DATE 1979	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Jan	6:00		398:00	4/6/80 100-yr. Insp. changed oil (Shell SAE 60 non-detergent) checked mag, changed gap spark plug. cleaned & oiled carb. air filter. Drained sumps & checked oil screen.
Feb	4:30		402:30	
Mar	7:00		411:30	
Apr.	3:00		414:30	
May	20:00		434:30	Comp check (80-70) (80-70) (80-70) (80-70)
July 30	2:00		436:30	(80-71) (80-70) (80-68) (80-71) (80-70). Drained Carb & fuel strained checked. END
				W. V. Kukoja A&P 1008077
April 6, 1990		TT. 436:30		Accordingly that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition James M. Kiser

BAI 5080. 436.3

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
APRIL 80		27.3	463.6	
MAY		2.0	465.6	
JUNE		21.4	487.0	6/15 Drained oil - check screens - fill with Shell 120 Clean fuel filters John Felso
JULY		14.3	491.3	
AUG		16.4	507.7	8/10 Drained oil - check screens - fill with Shell 120 Clean fuel filters John Felso
SEPT		4.2	511.9	
OCT		6.3	518.2	

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-26-80	50		518.6	Annual inspection completed this date. All AD notes checked and OK. See listing in aircraft log. Many oil. Cleaned, revised. Serviced with Castrol 400 oil. Comp. Check #1 7/8" #2 1/8" #3 1/8" #4 7/8" #5 7/8" #6 7/8" #7 7/8" #8 7/8" #9 6/8". Installed all new spark plugs. Checked valve clearance. In writing this engine has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

Thomas J. Barty  
A9822-30151

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-91	519.6	9.0	527.6	
7-91	577.6	20.4	548.0	
8-91	545.9	72.9	570.9	4-15 oil change (oil pressure etc) fill with 12
9-91	570.4	14.1	584.9	
6-7-82				I certify this engine was given a 100 hr. inspection as required by FAR and found airworthy. No AD notes apply to this engine. Preflight and operation check satisfactory. Engine time 586.9 hours J.R. Shipp A981419634

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				DATE <u>AUG 10 1982</u> I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>CONFORMITY &amp; AIRWORTHINESS INSPECTION</u> AND IS DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME TOTAL TIME <u>629.3</u> TIME SINCE OVERHAULED <u>615.2</u> Dean and M. GWT IA-553723605

DATE 1986	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4/10				This Engine Has Been Inspected in accordance with Lycoming C80 Service Manual. Checked Compression, it's low however serviceable, to be checked after 10 hrs, Get Valves, cleaned plugs & capped. Checked Sump & Carb Settings ok, Changed oil with Chevron 120 unaccompanied engine ground run, checked mag - checked for oil & fuel leaks ok. Prop checked for checks & leading edge ok. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an air worthy condition at this time. Total time approx 697.5 SMOH 683.4 R.A. Weyant 2061658 IA

DATE 1987	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2/20/87				This Engine Has been inspected in accordance with Lycoming C80 Manual, checked timing, compression, cleaned plugs, changed oil, & cleaned screens etc. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an air worthy condition at this time. R.A. Weyant 2061658 IA TT approx 734.7 SMOH 720.6

DATE 1988	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3/16				This Engine Has been inspected in accordance with Lycoming Service Manual, cleaned plugs, change oil, checked screens etc timing etc. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an air worthy condition at this time. R.A. Weyant 2061658 IA TT approx 748.7 SMOH 734.6



DATE 19 <u>87</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
<u>1/29</u>			<u>CLKK.</u>	<u>S04-759.6</u> Performed 100 hr. inspection this date. Engine has major oil leaks. Remove exhaust system and inspect collector ring and pipes, all in good condition. Remove all rocker covers, rocker arms, and push rods. Replace all push rod tube, hoses, and seals. Replace thrust bearing cap and seal, replace 3 intake rocker arms and push rods. Reassemble and adjust valve clearance. All parts replaced, were Lycoming, N.O.S. All work done per Lycoming service manual. (OVER)

19___	TACH TIME	TODAYS FLIGHT	TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Changed oil 60. W. Shell un-compounded. Checked and cleaned screens and cuno filter. Adjust timing on left mag. Clean and gap plugs, replace loose rivets in carb. heat manifold. Replace carb. heat linkage at air box, drain carb. and cleaned screen in carb. and gascolator. Check compression o.k. Retorque prop bolts, checked track and balance. Remove and clean all 3 engine breathers, clean metering jet for rocker arm oil supply. Engine ground tested and valve clearance

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				rechecked. Engine flight tested and found to be in airworthy condition. All known service bulletins c./w. -END- <u>CLKK</u> A/P 570649761
				<p>On <u>1/29/87</u> Total Aircraft Time <u>229.6</u> I certify this aircraft has been inspected in accordance with a annual inspection and was determined to be in airworthy condition.</p> <p><u>CLKK</u></p>

DATE 19 <u>91</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/1/91			CRK	T.S.M.O. 811.60 Perform 100 HR. INSPECTION THIS DATE CHANGE OIL & Clean SCREENS (NO SEND) ADD VALVES CHECK COMP. OK CHECK MAG TIMING & POINT GAP INSTALL RECOMMENDED C26 PLUGS. WASH DOWN ENGINE. ENGINE IS IN AIRCRAFT COND. -END- <u>James C. Bala</u> A/P 570849761
6/1/91				I certify that this engine has been inspected in accordance with an annual inspection and is found to be in aerobically condition <u>James 454065361A</u>

DATE 19 <u>91</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9				ENGINE REMOVED FROM STEARMAN N 59463 FOR HIGH OIL CONSUMPTION AND PLACED IN LONG TERM STORAGE -END- <u>Rip</u>