

W33SR

ENGINE DESCRIPTION

MANUFACTURER AVCO Lycoming MODEL 0320 F2C

SERIAL NUMBER L23414-27A DATE OF MANUFACTURE _____

RATED BHP 150 RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE 80/87

REGISTERED OWNER VINCENT K MATALIA

STREET & NO. **(b) (6)**

CITY, STATE, ZIP **(b) (6)**

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____



AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

CY NO.

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
70-15-03	Fuel sel		NA Ser #			
71-25-03	Fuel → oil Restrictor		PCW			
73-12-11	carb Air box		PCW			
73-20-07	Wing Attack	9-19-79 704 4333.8	Insp	Recur	Each Annual 4433.8	Roger R. Mayes ATP1958445
73-23-03	Flex Air ducts		PCW			
73-23-08	Throttle cable		PCW			
70-23-09	infit situations		NA not approved			
75-01-04	Fuel sel	9-19-79 4333.8	Insp	Recur	next Annual	Roger R. Mayes ATP1958445
75-17-37	Wing Controls		PCW			
76-25-05	Air Control		PCW			
77-03-05	NLS		PCW			
78-04-01	Wing Prop Control		PCW			
76-07-12	In sel	9-19-79 4333.8		Recur	Each 4433.8	Roger R. Mayes ATP1958445
79-05-02	ELT Lithium		NA not installed.			
78-09-07	Impulse Complying	10-11-79 4333.8	New impulse Complying	Recur	next total time 6537.9	

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.			
OCT. 11 1978	5537.9	Tach 4333.8 TSMU 922.7 TT 5537.9			
Completed 100HR inspection this date following manufactures service manual and FAR PART 43.					
<p>Changed oil, cleaned press and suction screens. Cleaned and gapped all spark plugs. Replaced LH mag with overhauled like item. Installed serviceable ign harness. Checked mag points and Ign timing. Removed bob's press sw. Replaced carb Heat control cable. Replaced air intake filter. Checked stroke brushes and lubed bearings. Corrected internal timing RH mag. Replaced muA RH clamp. AD 78-09-07 on LH mag 541N 1227 SN 921331 Due at 6537.9. Checked AD's thru issue 75-19. Engine washed down and serviced with 8qts Aero Shell "N" Grade 100 SAESC</p>					
<h3>Compression Check</h3>		<p>I certify that this <u>Engine</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in an airworthy condition. MECHANIC <u>Roy R. Mayo</u> CERT. No. <u>A5P1957915 ZA</u></p>			
1 $\frac{74}{80}$	2 $\frac{78}{80}$	3 $\frac{78}{80}$	4 $\frac{76}{80}$	5 $\frac{80}{80}$	6 $\frac{80}{80}$



INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11/01/80	4418.49	TACH T.T. 4418.49 TSMO 1007.4
		WASHED DOWN ENG, CHANGED OIL, INSTALLED 6 NEW SPARK
		PLUGS COMPRESSION CHECK 8D/80 ALL CYLS. I CERTIFY THAT
		THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN
		ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY
		CONDITION S. WHITE IA (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11/28/81		REPLACED ALL ENGINE VENTILATING AND HEAT DUCTS S.W.H. I.A. (b) (6)
11/07/82	TACH 4442.85 SMOH 1031.81	CLEANED + GAPPED SPARK PLUGS - WASHED DOWN ENGINE - DRAINED OIL + CLEANED SCREEN - RESERVICED WITH PHILLIPS 34TS 20-50W, CLEANED FUEL SCREEN + AIR FILTER; NEW ALT BELT + BRUSHES. CHECKED LT MAG FOR AD. 78-09-07 + 82-02-01. COMPRESSION #1 85/80 #2 80/80 #3 80/80 #4 80/80 I CERTIFY THAT THIS ENGINE HAS BEEN INSP I/A/W AN ANNUAL INSP + FOUND TO BE IN AIRWORTHY CONDITION S.W.H. I.A. (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
01/15/84	TACH 4479.04	SMOH 4516.0 1068.8 Compression check as follows #1 74/80 #2 89/80 #3 80/80 #4 74/80 Cleaned Spark Plugs / Washed Down Eng run-up + leak check good. I certify this Engine has been Insp IAW AN Annual Insp + found to be in Airworthy condition. S.White I.A. (b) (6)
02/23/85	TACH 4504.5	T.TSM 1094.20 Cleaned Spark Plugs, changed oil + cleaned sensor. Checked Eng Switch AD ON run-up. Compression ck as follows: #1 67/80 #2 89/80 #3 89/80 #4 80/80 Run-up AND LEAK check good. I certf, that this Aircraft has been Insp IAW AN ANNUAL Insp + found to be in Airworthy condition S.White I.A. (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
May 2 1987	TACH 4549.80	SMCH 1139.56 Hobbs
chassis	Compression check as follows	#1 76/80 #2 80/80 #3 80/80 #4 80/80
don, piston	Checked mag timing,	Replaced exhaust clamp. Drained oil AND
AKO	Reserviced with Tets Phillips,	cleaned screen. Cleaned, gapped,
27	& tested all spark plugs.	AD 76-07-12 ignition switch checked by
Ders.	inspection. washed down eng	& run-up & leak check good
orders.		
25		
		I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS
		BEEN INSPECTED I / A / W AN ANNUAL INSPECTION
		AND FOUND TO BE IN AIRWORTHY CONDITION
		Shane IA (b) (6)
(b) (6)		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
05/26/88	TACH 4581.07 T.T. Prop 5785.17	T.T. 5785.17 SMOH 117083 Compression test as follows: #1 78/80 #2 89/80 #3 79/80 #4 78/80 Checked mag timing AD 76-07-12 C/W by testie Switch installed new Air cleaner. cleaned screen & Drained oil reservoid with Phillips Btts. Replaced #4 Valve cover gasket. Fixed Prop nuts & Retorqued & Safford Batts Engine washed Down. Engine run-up & Leak check good. Cleaned & tested all Plugs. Check all controls for operation & travel.

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS
BEEN INSPECTED I / A / W AN ANNUAL INSPECTION
AND FOUND TO BE IN AIRWORTHY CONDITION

S. White # (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3		06/02/88 TACH 4587.77. INSTALLED NEW EXHAUST CLAMPS SLWS 1A352E01803
30 testing oil t. D ok		06/09/89 TACH 4614.71 T.T. 5810.81 T.T. Prop 5810.81 COMPRESSION CHECK AS FOLLOWS: #1 74/80 #2 74/80 #3 75/80 #4 70/80 CLEANED GAPPED HASKED ALL PLYS. REPLACED #2 & #3 VALVE COVER GASKETS. REPLACED OIL QUICK DRAIN. REPLACED ALL ENGINE MOUNTS. CLEANED SCREEN RESEALING WITH Tets steel 15w-50. Retimed mag's to 25° Dressed Prop Nicks. CLEANED Fuel SCREENS.
		I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED I / A / W AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION.
		SLWS 1A (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
07/11/90	TACHAUGGET. T. 58478 TSMCH 1229.58	
		Compression check as follows: #1 79/80 #2 78/80 #3 79/80 #4 78/80
		Changed oil, cleaned screen. Tightened #3 exhaust flange bolt.
		Repaired #2 cylinder - Balling, tightened oil return lines.
		Replaced #2 cylinder push-rod tube seals, Replaced front engine
		Ball seal #1 valve cover gasket, Replaced scuff dust for
		air intake. All plugs cleaned & gapped AD 84-26-02 induction
		air filter dust tach 5505.4 AD 78-09-0723 Bendix
		impulse die at tach 4928.99 AD 81-180422 die at
		overhaul / 2000 TBO. Oil pump gears. Engine run-up - leak
		checked, test flown. Serviced with Tets Shell 150-50 oil
		I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED I / A / W AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION
		Signed IA (b) (6)

INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
44 79/80 Both.	24 AUGUST 90	TACH	REPLACED IGNITION HARNESS WITH NEW SLICK HARNESS. OPS CHECK GOOD. Mark S. Fuller AIP (b) (6)
ENGIN OF	12 MARCH 91	TACH 4670.34	(SEE AIRCRAFT LOG) REPLACED MUFFLER. REPLACED BOTH #1 CYL EXHAUST STUDS AND #1 + #4 EXHAUST GASKETS. RUN-UP AND LEAK CHECK GOOD. Mark S. Fuller AIP (b) (6)
INDUCTION			
Div	07/01/91	TACH 4690.87	T.T. 5894.97 SIMON 1279.76
OT			COMPRESSION OK AS FOLLOWS. #1 79/80 #2 79/80 #3 79/80
RAK			#4 79/80 REPLACED LW11997 Prop Seal. REPLACED #2 cylinder
SO OIL			afl RETURN LINE HOSE STD 2180. REPLACED ALL EL FUEL FLEXIBLE LINES FIREWALL FERRULES PINS 109-92000-63, 175 173. CLEANED, GAPPED + TESTED ALL PLUGS. CLEANED FUEL SCREENS. CHANGED OIL, CLEANED SCREEN SERVICED WITH 89W Slick 15W-50. ENGINE WASHED DOWN RUN-UP + LEAK CHECK GOOD AD 84-26-02 INDUCTION FILTER DUE CHANGE AT TACH 5505.4 AD 81-18-04 R2 CIL GEAR DUE AT TACH 5505.4 AD 81-18-04 R2 CIL GEAR DUE AT TACH 5505.4 AD 81-18-04 R2 CIL GEAR DUE AT TACH 5505.4 AD 81-18-04 R2 CIL GEAR DUE AT



INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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MZ4222 - 1B001042

Mfg. PRESTOLITE Part No. ESEBB131A
Serial No. 9119 ESI P/N 02043
Model STARTER DRIVE

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was overhauled and inspected in accordance with Current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the overhaul are on file at this repair station under:

Work Order No. 6486 Date 05/09/91



ELECTROSYSTEMS, INC.

P.O. Box 273 205/227-8306 TWX 810-744-3450
FORT DEPOSIT, AL 36032 U.S.A.

Signed: *Thomas Russell*

F.A.A. APPROVED REPAIR STATION NO. UT2R226L

The aircraft engine or appliance identified on the reverse side was repaired and inspected in accordance with current regulations of the

07/17/90 TAXI 4692.0

Removed starter for overhaul Reinstated, O.P's
check good. Dishes

(b) (6)

WHISE AERO
CLYDESDALE AIRCRAFT
CORPORATION

F.A.A. APPROVED
COLUMBUS, OHIO REPAIR STATION NO. CYKR402K

ACCEPTED OR SERVICABLE TAG

NAME STARTER

TYPE PRESTOLITE

S/N 1B001042

P/N MZ 4222

DATE JUL 15 1991

QTY. 1

REMARKS: RESPECT-OH-NEST.
NO AD. APPLY.



INSPECTOR SIGNATURE
Frank J. [Signature]
CAC
INS
15



INSPECTION & MAINTENANCE RECORD

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

7/10/91 TACH 4690.87.

I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED I / A / W AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION.

Steve LA (b) (6)

TACH 4692.0

removed starter for overhaul Reinstalled, OP's

← good. Steve LA (b) (6)

INSPECTOR'S SIGNATURE
No AD Apply
REMARKS:
DTY

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
01/16/92	TACH 4717.04	Fabricated Exhaust Tail Pipe clamp/support.
		SLW 1A (b) (6)
04/14/92	TACH 4722.2	Removed #4 cylinder, installed exchange cylinder
		(see TAG). Engine run-up + leak check good installed new
		TACH CABEL. OPS OK GOOD SLW 1A (b) (6)



LIMITED MAINTENANCE RELEASE
CLYDESDALE AIRCRAFT CORPORATION
COLUMBUS, OHIO

F.A.A.
CERT. NO. CYKR402K

CUSTOMER White Aero W.O. No. 70348
PART NAME Cylinder TYPE O-320 QUAN one
S/N 04 P/N 75868 MFGR. Lycoming
SIGNED [Signature] DATE 04/13/92



The aircraft component identified on reverse was repaired and the repair inspected in accordance with federal aviation regulations. (Only work detailed below is covered by this limited maintenance release.)

Re faced valves, lapped valves to overhauled cermet chrome
base stud Assy. Assembled to valve Assy and vacuum
checked. Supplied with new piston and rings gapped
to barrel. END

INSPECTOR

R. J. Edithoff

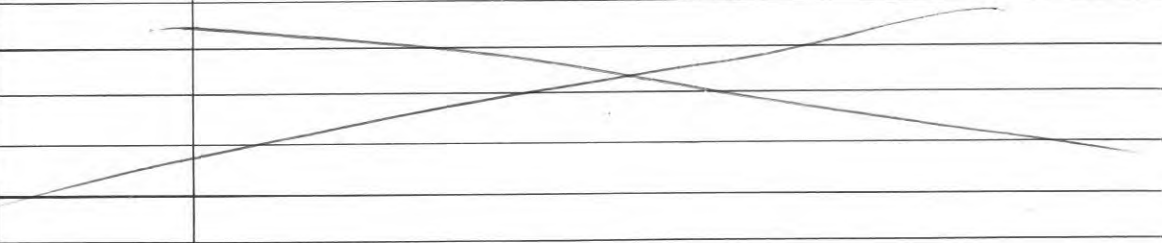
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78

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
07/01/92	TACT 4737.34	T.T. 5941.44 Smith 1326.23
		Compression check as follows: #1 7 1/8 #2 7 5/8 #3 7 3/8 #4
		cleaned + topped all plugs. AD 84-26-02 Induction Air Filter
		Due at TACT 5505.4. AD 78-09-07 Bendix impulse
		insp Due at TACT 4928.94 AD 82-11-05 Oil Pump gear
		Due at 2000 hrs TBO or overhaul. Washed Down Engine
		+ cold run-up + leak check 5000.

I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS
BEEN INSPECTED I / A / W AN ANNUAL INSPECTION
AND FOUND TO BE IN AIRWORTHY CONDITION

Steve Adair (b) (6) IA



INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
23 477/80 KIT 2 FRAM SIN	07-02-83	TACH 9798.78 IT ENG 6002.99 TSMOH 1387.67	CLEANED AIR FILTER. CLEANED -GAPPED AND ROTATED SPARK PLUGS. CYLINDER COMPRESSION AS FOLLOWS. 1) 74/80 2) 78/80 3) 78/80 4) 78/80. DRAINED OIL SUMP. CLEANED SUCTION SCREEN. CLEANED PRESSURE SCREEN. SERVICED ENGINE WITH 8 QUARTS MOBIL AV-1. WASHED ENGINE AND COWL. RUN-UP AND LEAK CHECK GOOD.
			<p>I certify that this <u>ENGINE</u> was inspected in accordance with <u>AIR ANNUAL INSPECTION</u> and was found to be in an airworthy condition.</p> <p style="text-align: right;">IA <i>Mark S. Fuller</i></p>

(b) (6)

INSPECTION & MAINTENANCE RECORD

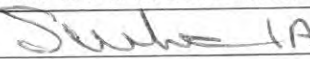
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
01/01/94	TACH 4887.87	T.T. 6042.03 TSMCH 1476.76 Compression check as follows: #1 70/80 #2 77/80 #3 70/80 #4 77/80 Installed new intake Hcr on #3 cylinder. Replaced carb & carb best start duct. installed oil filter Adapter Pin 204918-156 1 CH 4510 filter. Serviced with 7fts Mobil AV-1 oil AD 93-18-03 clw by insp due again at TACH 4987. (center)
AD 94-01-03		coils/magnets clw Lt mag OK, Rt mag New coil. AD 78-09-07R3 clw By installing SNAP ring Cam on Lt mag. Due insp again at TACH 4987. 5387hs (Sechs)
AD 94-06-09		capacitors clw N/A not installed Installed & timed mag. Washed Down Engine. cleaned 1 Ground Plugs. Engine run up and LUK check good
		I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED I / A / W AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION.
		Steve IA (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6.76	07/01/95 TACH 4995.86	T.T. 6200.02 TSMOH 1584.15
1st #97%		Compression check as follows #1 7 ⁵ / ₈ " 2 7 ⁷ / ₈ " #3 7 ⁹ / ₈ " #4 7 ⁹ / ₈ "
4 Cabin		Repacked #3 valve cover gasket. installed cones supplied
5-156		SREB Props, etc. installed cones supplied Ball Seal.
(venturi)		changed oil, cut open filter, Reserued with 7pts Shell
new		15w-50 oil. changed fuel screens AD 78-07-07 Bendix
cam		impulse Due at 5387 hrs. AD 93-18-03 Venturi. C/W
(Scho)		By inspection Due AGAIN AT TACH 5095. AD 04-26-02
		Air Filter Due AGAIN AT TACH 5387 Engine washed
		Down, Run-up and leak check good.
		I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED I / A / W AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION.
		SCHO IA (b) (6)



INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
07/01/96	TACH 5058.69	T.T. 6262 85 5MOH 1647.6
		COMPRESSION check as follows. #1 79/80 #2 79/80 #3 79/80
		#4 79/80. Replaced All intake hoses. Replaced Throttle Bolt &
		Nut + Washer. Replaced #1 Valve cover screw. Replaced Breather
		Line. Changed oil - cut drain filter. Serviced with
		8pts Shell 15-50. Modified Engine 1/1/95 STC 1779NM
		By installing Stand-By UAC System. See 337 Form.
		AD 84-26-82 induction filter Due AT TACH 5307.
		AD 78-09-07 Boxox impulse insp Due AT TACH 5307
		AD 96-09-10 (Supercops) AD 81-18-04) Oil Pump gears
		Due AT overhaul/2000hrs or By 07-15-01 AD 93-18-03
		Venturi Due every 100hrs CW AT TACH 5058, Due next
		AT TACH 5158 or By 10/97. Engine run up AND
		LOK checked, test flown.
		I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED I / A / W AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION.
		 (b) (6)

INSPECTION & MAINTENANCE RECORD

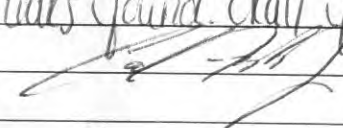
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
07/01/97	TACH 5103.1 T.T. 6307.26 SMOH 1692.01	COMPRESSION CHECK AS FOLLOWS: #1 78/80 #2 77/80 #3 77/80 #4 78/80. CLEANED ALL PLGS. REPLACED #3 & 4 VALVE COVER GASKETS. INSTALLED OVERHAUL CARB MODEL MA45PA PIN KJ-3678-32 ADJUSTED IDLE MIXTURE + IDLE RPM. CHANGED OIL + FILTER. SERVICED WITH 75W OIL. WASHED DOWN ENGINE AND COUPLING. C/W AD 93-18-03 CARB BENTON. BY INSTALLING OVERHAUL CARB AD 96-2-07 MAS IMPULSE DUE AT TACH 5387. AD 84-26-02 INDUCTION FILTER DUE AT TACH 5387. AD 96-09-10 OIL PUMP GEAR DUE AT OVERHAUL / 2000 HRS OR BY 7-15-01, ENGINE RUN-UP AND LEAK CHECK S/D

S/Kit IA (b) (6)

I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS
BEEN INSPECTED I / A / W AN ANNUAL INSPECTION
AND FOUND TO BE IN AIRWORTHY CONDITION.

S/Kit IA (b) (6)

INSPECTION & MAINTENANCE RECORD

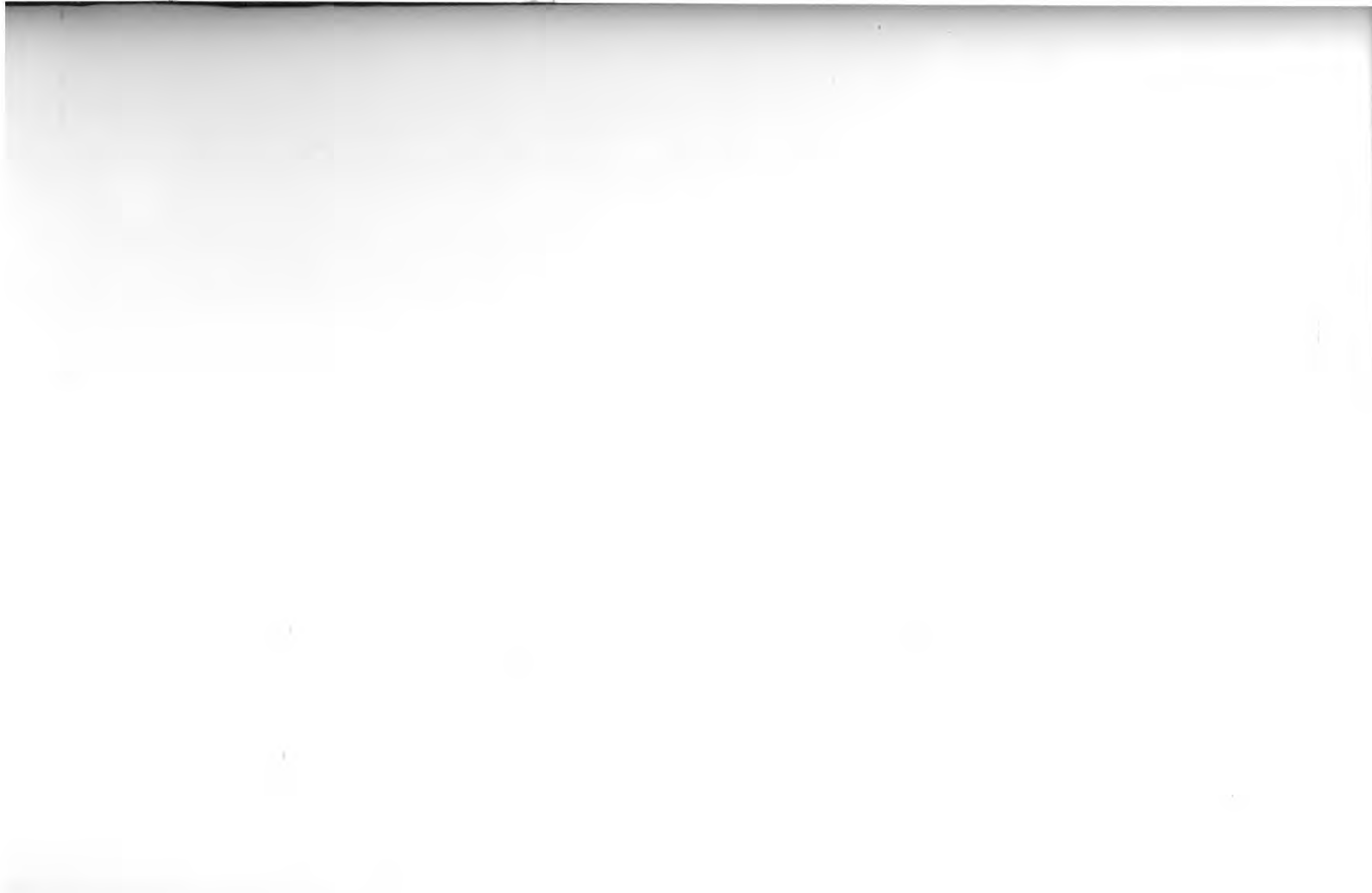
	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	2-5-98		Removed #3 cylinder for broken exhaust valve.
1/20 gaskets 73-32 Dent cowling. D carb 26-02 oil Pump	Tach	5122.95	Installed ECT steel cylinder PN AEL651024-C, #4079 S/N 61155-23. Complete assembly including piston piston pin dingo, rocker shaft and complete new cylinder. Installed serviceable oil return tube also installed intake gasket on #1 cylinder. Cut filter, changed oil & serviced w/ Amshell 40wt. mineral oil for break-in. Run up, no leaks found. OK for service.
			 AAP (b) (6)
	July 14, 1998	Tach 5183.01 hrs	Changed oil & filter. Serviced with 8 qts Amshell 15W50 oil. Washed down engine & cowling. Kenneth W. Lee AP1754007

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Sept. 3, 1998	TACH: 5217.38 hrs. Eng TT: 6421.54 hrs. SMOH: 1806.29 hrs	Changed oil & filter. Cleaned oil sump screen. Serviced with E jets. AeroShell 15W50 oil. Cleaned & gapped all spark plugs Insp. induction, ignition & exhaust systems. Washed down engine & cow. Engine good. RUL with no leaks noted. All systems operating normal. Complied with AD 84-26-02 (Paper induction filter) by visual insp. with filter found serviceable. AD 84-26-02 insp. next due @ 5317.38 hrs. Replacement due @ 5387.78 hrs. AD 91-14-22 (Crankshaft gear/bolt due @ next O/H, gear train repair or after prop strike, sudden stoppage or prop tip loss. AD 96-09-10 (oil pump gears) due @ next O/H (not to exceed 2000 hrs TBO), next oil pump repair or by 7-15-01, whichever comes first. AD 97-15-11 (Piston Pin) N/A Not Lyc. O/H. AD 98-01-06 (Precision Carb) N/A Black Data Plate. AD 98-02-08 (Crankshaft Gear) N/A 150 HP engine. Ctk AD's thru issue 98-17.
	<p>Compression Check</p> <p> 178 74 3 76 75 X X 80 80 80 80 80 80 80 </p>	<p>I certify that this <u>ENGINE</u>.....has been inspected in accordance with a <u>ANNUAL</u>.....inspection and was determined to be in airworthy condition.</p> <p style="text-align: right;"> <u>Xenon</u> <u>W.D. Co</u> - <u>AP1754067 IA</u> </p>

INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1806.29hrs 8 pts Insp. engine & rating val insp. 317.384K due @ age of to exceed mes first. PLACE DATA CHECK ADS inspected inspection ion. 067 IA	Feb 1 1999	Tach: 5285.5362	Changed oil & filter. Serviced engine with 8 pts Aeroshell 15W50. Replaced distributor block & gear in RH mag. Eng. good. Run & op. OK & okay. <i>[Signature]</i> AP 154067
	JUNE 21, 1999	TACH: 5353.05 HRS	CHANGED OIL & FILTER. SERVICED WITH 8 PTS AEROSHELL 15W50. FILTER CUT AND INSPECTED FOR METAL. NONE WAS FOUND. RUN UP AND LEAK CHECK WAS GOOD. <i>[Signature]</i> AP (b) (6)
	7-7-00	Tach 5448	Changed oil. Put in 7 qt Aeroshell 15W50 and 48110 filter ran checked for leaks. Tightened Belts on starter. <i>[Signature]</i> AP (b) (6)



INSPECTION & MAINTENANCE RECORD

ESTIMATED SERVICE DATE: / /

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Nov 89	TACH 5404.2	ENG TT 6608.36 SM6H 1993.15 CHANGED OIL & FILTER, INSP COMP SCREEN, SERVICED WITH 8QTS 15W50 ENGINE OIL. CLEANED & GAPPED ALL SPARK PLUGS INSP. INTAKE & EXHAUST SYSTEMS WASHED ENG & COOL RAN FOR LEAK CK. OPS CK OK C/W AD 96-12-07 (LAMP USE COOLP) C/W AD 96-09-10 (OIL PUMP GEAR) by Replacement WITH STEEL GEARS.
Compression Check		I certify that this... <u>ENGINE</u> ...has been inspected in accordance with a... <u>100 HR</u> ...inspection and was determined to be in airworthy condition. <u>Thomas J. Palmer ADP 1912258</u>
200 AD 91 PLAT Three	73 76 74 70 5x 6x 80 80 80 80 80 80	I certify that this... <u>ENG</u> ...has been inspected in accordance with an... <u>ANNUAL</u> ...inspection and was determined to be in airworthy condition. <u>Clarence Schmidt IA 1342125</u>

CMH AVIATION INC.
 1954 Norton Road
 Columbus, Ohio 43228
 (614) 878-2961
 CRS#YMHR160K

SERVICEABLE

Part Name MAGNETO
 Part Number 10-349365-3
 Serial Number 921331
 A/C N Number N/A
 Model N/A
 A/C Serial Number N/A
 Customer STARRETT AVIATION

MAINTENANCE RELEASE

The () identified above was repaired and/or inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair and/or inspection are on file at this repair station under Work Order.

4974 Date 11-22-99

Technician MSFuller

Inspector MSFuller

O/H Repaired FT
 Removed Serviceable

1993.1
SERVICE
IPPED
SEALS
OK
LALPAC
Inspected

173 276 274 270 3x 6x
 80 80 80 80 80 80

and was determined to be in airworthy condition.

Thomas J. Palmer ATP 1912258

I certify that this ENG has been inspected

in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Clarence Schmidt IA1372125

INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1993.11 SERVICED CHECKED SEALS OK	12-6-00	6697	TACH 5493, SMOH 2082. Eng inspected using FAR 43 as a guide. Drained oil, cleaned sump, replaced filter and serviced with 8 qts of Aeroshell 15W50. Removed, cleaned, and gapped plugs. Checked intake and Exhaust. Washed oil pan engine. OK AD 961207 Due 5904 on TACH.
LAI FACCUJ inspected Inspection n. 58			I Certify this engine has been inspected in accordance with FAR 43 and determined to be airworthy Michael A. (b) (6)
	12-11-2001	6737	TACH 5533 SMOH 2122. Drained oil, Removed filter - opened - checked for contamination none found. Serviced with 8 qts aeroshell 15/50. Installed CH 48110 filter. Ops run - checked for leaks - none found Michael A. Olmer #11 (b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12-1-01	TACH 6734	TACH 5535 SMOH 2124 Engine inspected using engine check list as a guide. Cleared & checked, checked & reinstalled. Replaced Bunkot BA-104 air filter. Checked igniter, exhaust and a stroke. Engine washed and ran OK.
<p>Compression Check</p> <p>105 ²¹/₈₀ 310 ⁴¹²/₈₀ 5/6</p>		<p>I certify that this... <u>Engine</u> ... has been in</p> <p>In accordance with a <u>Manual</u> ... in</p> <p>and was determined to be in airworthy condition</p> <p style="text-align: right;"><u>[Signature]</u> (b) (6)</p>
4-19-02	TACH 5543 TTA 6747	SMOH 2132 Removed fuel pump. Installed OH fuel pump P/N 15472. Ops run engine OK. M. Clanner AP (b) (6)
1-17-03	TACH 5576 TTE 6778	SMOH 2163 Inspected this engine using FAR 43 gop 1 as a guide. Opened oil filter - checked for metal -

CONTINUED NEXT PAGE

FROM MKR 1000 1402

Maintenance Release

The aircraft, airframe, aircraft engine, propeller or appliance identified below 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 repairs under Work Order # 6199Z are herewith attached

Dated 11/3/03

Inspected by [Signature] 2585501

SERVICEABLE

Name FAIRFIELD AIR SERVICES

Unit HOFFER

Part # 69-15000-21 Ser. # 6199Z

Aircraft K-19 NUSKETA ID#

Disposition OVERHAUL

Reason For Removal Date

Removed By Date

AD or Service

Bulletins N/A

Work

Performed OVERHAUL

FAA Certificate No. UWDR792L

AEROSPACE WELDING MINNEAPOLIS, INC.
12124 12th Ave. South
Burnsville, MN 55337
1-800-597-4315

DATE	
11-17-03	check spark plug
	A104 air instal
	check CRS # U
	bracket
	system
	checked
	washed
	checked
	all P/P
	list dated 1-17-03.
	check pump
	in engine
	243 ggs P.
	instal -

I certify that this engine has been inspected

In accordance with a Annual inspection and was determined to be in airworthy condition.

[Signature] (b) (6) FA

(b) (6)

243 ggs P.
instal -


INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
<p>1-17-03</p>		<p>none found. Cleaned gapped and tested all spark plugs. Removed muffler due to crack found. Installed muffler reconditioned by AWT CRS # UWDR 792L. Replaced alternator mounting bracket P/N 07A 194 74. Checked intake & exhaust systems. Checked motor mounts and all accessories. Checked compression as follows Washed down then ops run engine checked for oil leaks - none found. Compression Check 1₈₀ 2₈₀ 3₈₀ 4₈₀ 5₈₀ 6₈₀ all A.P.'s checked through 2002-26 see AP list dated 1-17-03.</p>
<p>ump. engine</p>		<p>I certify that this <u>engine</u> has been inspected In accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. M. Blaine A. (b) (6) EA</p>
<p>13 gal P. al-</p>		

(b) (6)

(b) (6)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		Date: 1/15/04 HOBBS: TACH:5590 <i>Use template for 8164TM</i> TEL: 6794 TSMOH.2163
		Completed inspection using FAR 43 APP. D and check list as a Guide. Drained oil, opened oil filter and checked oil sump screen for contamination none found.
		Serviced with 6 qts. of Aeroshell 15/50 oil and new CH48110filter.
		Compression checked as follows: # 1 70/80 #2 78/80 #3 74/80 #4 75/80 #5 78/80 #6 78/80
		Checked engine controls for security and travel, checked intake and exhaust systems. Checked ignition timing. Checked all engine Accessories for security and operation. Inspected motor mounts and shocks. Cleaned gapped and test all sparkplugs. Ops run engine, all systems normal. All AD's checked for compliance through 2004-1. See ad list dated 1/15/04. Replaced four REM4 sparkplugs. Replaced #3 valve cover gasket P/N slr75906.
		I certify this engine has been inspected in accordance with an annual inspect and was determined to be in airworthy condition.
		 Michael E. O'Conner AF (b) (6) A Fairfield Air Ventures - 740.654.7001

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
9-20-2004	Tach 5610	TTE 6814 TSMOH 2185 Drained engine oil cut open oil filter checked for contaminants none found, installed Champion CH48110-1 oil filter. Serviced with 8 quarts of 15W50 Aeroshell oil. Run engine performed operations check, ok no leaks for Jeffrey M. Albright <i>[Signature]</i> AP2667133
<p>Date: 1/5/05 HOBBS: TACH: 5629 TTE: 6490 TSMOH: 1875</p> <p>Completed inspection using FAR 43 APP. D and check list as a Guide. Drained oil, opened oil filter and checked oil sump screen for contamination none found.</p> <p>Serviced with N/A qts. of Aeroshell 15W50 ^{M.O.} and new CH48110 filter. Compression checked as follows: # 1 77/80 #2 77/80 #3 77/80 #4 75/80 #5 XX/80 #6 XX/80</p> <p>Checked engine controls for security and travel, checked intake and exhaust systems. Checked ignition timing. Checked all engine Accessories for security and operation. Inspected motor mounts and shocks. Cleaned gapped and test all sparkplugs. Ops run engine, all systems normal. All AD's checked for compliance through 2004-26. See ad list dated 1/5/05. Engine times correct per original airframe and engine logs from O.S.U.</p> <p style="text-align: center;">* PROPELLER M.O.</p> <p>I certify this engine has been inspected in accordance with an annual inspect and was determined to be in airworthy condition.</p> <p><i>[Signature]</i> Michael E. O'Conner AP (b) (6) FA</p>		

Date 1/16-05 Tach Time 5681 Total Time 6542 SMOH 1927
 Drained oil, cleaned oil screen, opened oil filter and checked for contamination - none found.
 Installed new oil filter CH48110-1
 Serviced with 8 quarts of AEROSHELL 15/50
 Engine started and checked for leaks - none found.
 M. O'Conner AP3090806 FA

D

FAIRFIELD AIR VENTURES N2404L
1/10/06 Tach: 5683 TTE: 6544 SMOH 1929 TTP: 6887
Completed inspection using FAR 43 App. d and checklists as a guide.
No oil change. No filter inspection or sump screen inspection per owner
operator instructions.

Checked engine controls for security and travel, checked intake and
exhaust systems. Checked ignition timing. Compression checked as
follows #1 64/80, #2 702/80, #3 70/80, #4 68/80.

Checked all engine accessories for security and operation. Inspected motor
mounts and shocks. Cleaned, gaped, and tested all sparkplugs. Ops run
engine, all systems normal. All AD's have been complied with through
2005-26. See AD list dated 1/5/05. Replaced the following. All M-674
plug gaskets.

"I certify this engine and propeller has been inspected in accordance with a
annual inspection and was determined to be in airworthy condition."
Michael E. OConner AP 3090806 IA

M. O Conner

SEE AIRFRAME LOG THIS DATE FOR
ENGINE CERT. MP.

NCE RECORD

MAINTENANCE PERFORMED
& CERTIFICATE NO.

FAIRFIELD AIR VENTURES

Date: 1/5/07 Tach: 5699 TTAF: 6903 N33SR

Completed inspection using FAR 43 App. d and checklists as a guide.
Removed cowlings and all inspection access panels. Inspected all cables,
pushrods and pulleys. Lubed aircraft in accordance with Beech
Service Manual. Inspected wings, tail and fuselage group. Checked all
controls. Inspected wheels, tires and brakes. Checked all fluids and
hoses. Checked all lighting and electrical system. Checked ELT I/A/W
FAR 91.207 d. Batteries due next 2/08. All AD's have been complied
with through 2006-26. See AD index in maintenance records prepared
1/5/07. Replaced air filter P/N BA-3. Replaced D9-18-1 & B3-5-1
vacuum filters. Installed new Gill G35 aircraft battery. Replaced landing
light switch P/N W31X2MIG20. Ops OK.
"I certify this aircraft has been inspected in accordance with an annual
inspection and was determined to be in airworthy condition."
Michael E. OConner AP 3090806 IA

M. O Conner

FAIRFIELD AIR VENTURES

Date 1/10/08 Tach: 5707 TTE: 6568 SMOH: 1953 **N33SR**
TTP: 6911 SMOHP: 6911

Completed inspection using FAR 43 App. d and checklists as a guide. Drained oil. Checked filter and screen for metal. None found. Serviced with seven quarts of Aeroshell 15/50 oil and new CH48110 filter. Cleaned gapped and tested all sparkplugs. Checked intake and exhaust system. Checked engine controls for security and travel. Checked ignition timing. Compression checked as follows: #1 70/80, #2 72/80, #3 72/80, #4 72/80. Checked all engine accessories for security and operation. Inspected motor mounts and shocks. Ops ran engine. All systems normal. All AD's have been complied with through 2007-26. See AD index in maintenance records dated 1/5/07. Replaced eight gaskets P/N M-674. All work done I/A/W Lycoming service manual.

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

Michael E. OConner AP 3090806 IA

M. O'Conner

AIRCRAFT MAINTENANCE SERVICE LLC

**3430 Old Columbus Rd. HANGAR "J"
Carroll, Ohio 43112 740-808-0651**

N33SR

Date: 1/7/2011 Tach: 5733 TTE: 6594 SMOH: 1979
TTP: 6937 SMOP: 6937

Completed inspection using FAR 43 Appendix d and Aircraft Maintenance Service checklists as a guide. Drained oil. Checked filters for contamination, none found. Serviced with eight quarts of Aeroshell 80W mineral oil and new AA48110 filter. Engine cylinder compression was as follows: #1 70/80 #2 72/80 #3 74/80 #4 70/80 #5 xx/80 #6 xx/80. Checked engine controls for security and travel. Inspected motor mounts and shocks. Inspected intake and exhaust systems. Checked ignition timing. Checked all engine accessories for security and operation. Cleaned, gapped and tested all spark plugs. Replaced one REM40E spark plug. Replaced all M674 gaskets. Ops ran engine. All systems were normal. All AD's have been checked for compliance through 2010-26. See permanent airworthiness directive compliance records dated 1/7/2011.

"I certify this engine and propeller have been inspected in accordance with an ANNUAL inspection and was found to be in airworthy condition."

Michael E. OConner AP 3090806 IA

M. O'Conner

"I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition."
Michael E. OConner AP 3090806 IA

M. O'Conner

SERVICEABLE PARTS TAG

AEROTECH

BOWMAN FIELD
2700 GAST BOULEVARD
LOUISVILLE, KY 40205

Date 09-24-96

(502) 451-6140 - 800-634-0190 - FAX (502) 454-0502

Name of Component ALTERNATOR Part No. ALE-8406

Model No. 12V 40A S/N 2B000067

Manufacturer PBSTOLITE

REMARKS

MAJOR OVERHAUL

Work Order No. 38557-2

Inspector J.H.C. Avas

FAA Approved Repair Station PU4R453M

MAINTENANCE RELEASE

The appliance identified above was repaired and inspected in accordance with current regulations of the federal aviation administration and approved for return to service.

Pertinent details of the repair are on file at this repair station under

Work Order No. 38557-2

Date: 09-24-96

Signed JHC for

Aerotech Repair Station No. PU4R453M
2700 Gast Boulevard, Louisville, Kentucky 40205

LIMITED MAINTENANCE RELEASE
CLYDESDALE AIRCRAFT CORPORATION
COLUMBUS, OHIO

F.A.A.
CERT. NO. CYKR402K

CUSTOMER WHITE Aero W.O. No. 74629

PART NAME MAGNETO TYPE S4LN-1208 QUAN. 1

S/N 74629 PIN 10-349285-1 MFGR. BENDIX

SIGNED [Signature] DATE JUN 28 1994

The aircraft component identified on reverse was repaired and the repair inspected in accordance with federal aviation regulations. (Only work detailed below is covered by this limited maintenance release.)

INSPECT-ADJUST-TEST, c/w AD 94-01-03,
BY INSTALLING NEW COIL,
ALL OTHER AD'S, PREV. c/w,

INSPECTOR Frank Atlinger

SAC
INSP
74

LIMITED MAINTENANCE RELEASE
CLYDESDALE AIRCRAFT CORPORATION
COLUMBUS, OHIO

F.A.A.
CERT. NO. CYKR402K

CUSTOMER WHITE AERO W.O. No. 74628

PART NAME MAGNETO TYPE S4LN-1227 QUAN. 1

S/N 921331 P/N 10-349365-3 MFGR. BENDIX

SIGNED *[Signature]* DATE JUN 28 1994

The aircraft component identified on reverse was repaired and the repair inspected in accordance with federal aviation regulations. (Only work detailed below is covered by this limited maintenance release.)

INSPECT-ADJUST-TEST. C/W AD
78-09-07R3 + MSB 645 BY INSTALLING
SNAP RING IMP. CAM. ALL OTHER
AD's, Prev. C/w.

INSPECTOR

Paul Pittenger

CAC
INSP

LIMITED MAINTENANCE RELEASE
CLYDESDALE AIRCRAFT CORPORATION
COLUMBUS, OHIO

F.A.A.
CERT. NO. 2723


CUSTOMER Scott White W.O. No. 54646
PART NAME Cylinder TYPE O-320E QUAN. 1cc
S/N _____ P/N 75317 MFGR. Lyc
SIGNED JH Cheddy DATE 3-13-86



MAKE LYC SER. NO. _____
MODEL O-320E UNIT NAME Cylinder

The aircraft component identified above was repaired and the repair inspected in accordance with federal aviation regulations. (Only work detailed below is covered by this limited maintenance release.)

New Ex. seat + guide, Ground seats
lapped new valves, Servicable chrome
barrel, lapped new rings, New piston

INSPECTOR Jh C Reddy 

SERVICEABLE

DATE January 14, 2010

OWNER Aircraft Maintenance Service

PART # SLC 32001

MANUFACTURER Lugan Angus

MODEL 0370 E2C 150 HP

SERIAL # 7022-1

WORK PERFORMED:

- | | |
|---|--|
| EX-GUIDE REPLACED <input checked="" type="checkbox"/> | INT-GUIDE REPLACED <input checked="" type="checkbox"/> |
| EX-SEAT REFACED <input checked="" type="checkbox"/> | INT-SEAT REFACED <input checked="" type="checkbox"/> |
| CYL HONED <input checked="" type="checkbox"/> | EX-PORT REFACED <input checked="" type="checkbox"/> |
| NEW EX-STUDS <input checked="" type="checkbox"/> | CYL INSP. - CRACKS <input checked="" type="checkbox"/> |
| PAINTED <input checked="" type="checkbox"/> | CYL REPAIRED <input checked="" type="checkbox"/> |
| CYL BARREL <u>STD NITride</u> | |

new valve keys, valve —
springs exhaust valves —
PISTON, rings —

MAINTENANCE RELEASE

The aircraft cylinder identified was repaired and inspected in accordance with current instructions contained in the maintenance rules of the Federal Aviation Regulations under which the operator is certificated and is approved for return to service as per those requirements.

"Pertinent details of the repair are on file at this repair station under Work Order No. 7022
Date - 1-14-10"

Signed: [Signature]
(Signature of authorized representative)

LOTH ENGINEERING, Inc.

1339 W. Washington Street
Orlando, Florida 32805
CRS-UA4R563M