

Custom Airmotive, Inc.

FAA REPAIR STATION #DC2R763K

Tulsa, Okla. 74115

WARRANTY:

All engines rebuilt by Custom Airmotive after March 1, 1997, are guaranteed to be free from defects in material and workmanship, under normal use and service for six months or 240 hours; whichever occurs first. An additional prorated warranty will apply to parts only to manufacturers published T.B.O. Accessories will be guaranteed by the vendor. All parts and labor to be approved by Custom Airmotive prior to commencement of work. Cracked cylinders and crankcases excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims will not be allowed. Proration to be based on hours logged, or 40 hours per month; whichever is greater.

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer Continental

Model IO-470-N

Serial No. 096477-R

Date installed on aircraft 12-15-98

Time Between Overhauls (TBO) 1500 Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |



AEROTECH PUBLICATIONS INC.

SOUTHOLD, NY 11971-0965

ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS

TT__1487.4__ TSMOH__1.1__(test run)

Model__IO-470-N__ S/N__096477-R__

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with manufactures specifications and current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order no.__15195__

Date__17SEP98__

Signed____ for

FAA CERTIFIED REPAIR STATION# DC2R063K

CUSTOM AIRMOTIVE INC

TULSA, OK 74115 USA

Notes:

Fuel system and magnetos were also overhauled (see appropriate tags). Spark plugs and ignition harness are new. This overhaul was completed using __NEW STEEL SUPERIOR MILLENNIUM P/N SA47000L-A20P__cylinder bores.

AIRWORTHINESS DIRECTIVES FOR: TYPE CERTIFICATE NUMBER 3E1
MODEL__IO-470-N__ S/N__096477-R__ WO#__15195__ TT__1487.4__

A.D.#	METHOD OF COMPLIANCE
70-14-07	C/W; FUEL SYSTEM OVERHAULED @ CRS# HK2R875K.
72-20-02	C/W BY USE OF "HEAVY HEAD" CYLINDERS.
77-05-04	N/A AT THIS TIME.
79-05-09	C/W; USED ACCEPTABLE STYLE VALVE.
85-08-02	N/A TO THESE CYLINDERS.
88-03-06	N/A; HAS NO FILTER.
91-19-03	N/A; HAS NO FILTER.
93-08-17	N/A PER S/N.
93-10-02	N/A TO THESE SUPERIOR MILLENNIUM CYLINDERS.
95-21-15	N/A TO THIS ENGINE.
97-21-02	N/A TO THESE SUPERIOR MILLENNIUM CYLINDERS.
98-01-08	N/A; USED GENUINE TCM ROCKER ARMS.

SIGNED____ FOR CRS# DC2R763K ON__17SEP98__

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				12-15-98 N1554Z TACH: 1825.85 SMOH: 1.10 INSTALL IO-470-N S/N: 096477-R ON AIRCRAFT. ADD 10 QTS PHILLIPS 20W50. INSTALLED OVERHAULED GENERATOR, STARTER AND VAC PUMP. REPAIR EXHAUST SYSTEM AND INSPECT HEATER MUFF. REPLACE ENGINE MOUNTS AND HOSES. FRESH AIR INTAKE DUCT HOSE. INSTALLED NEW MCCAULEY PROP AND GOVERNOR PER STC. SEE 337 FORM. GROUND RUN AND NO LEAKS NOTED. WALTER BROWN
01-15-99	1487.4	1.1	1825.85	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A /AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>O</u> SIGNATURE A&P, IA
				Tech chose old Tech Reddy 1871.4 Max Reads "O" AP
7-16-98	1534.1	46.7	O	Changed oil and filter hand screen serviced with Shell 50wt oil Comp. 1 78 2 76 3 73 4 75 5 77 6 77 checked mag timing and fuel pressure-flow ok.
				CERTIFY THAT THIS AIRCRAFT ENGR INSC WAS AIR TALL
				CERTIFY THAT THIS AIRCRAFT ENGINE PROPELLOR INSPECTED IN TO TE
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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TT 2086 . 5 TSMOH 600 . 2

Feb. 23, 2006

IO-470-N

S/N 096477-R

WO#19835

This engine was dissassembled only enough to facilitate an inspection and repairs following a prop strike.

Applicable parts were cleaned, inspected, reworked and/or replaced as necessary to ascertain airworthiness.

Notes:

S.B. 96-10 c/w; crankshaft ultrasonic insp. @ A/C Spec..

A.D. 99-19-01; n/a to this earlier (serviceable) shaft.

A.D. 2000-23-21; "

Note: There is no manufactures s/n on this shaft.

Engine was reassembled I/A/W TCM overhaul manual X30588A, test ran on a stand and found ready for return to service.

Pertinent details are on file at this station under work order no. 19835; parts replaced are listed on attached work order.

Mark D. Lickteig

for CRS #DC2R763K

BLAKNEY AVIATION, INC. — WILEY POST AIRPORT — BETHANY, OK 73008

N1554Z

5-5-2006

Beechcraft Bonanza P35 S/N D-6864 Tach 599.1

Removed engine for Custom Airmotive (CRS# DC2R763K) perform tear down and inspect. Re-installed installed engine per M/M and IPC instructions. Service engine with 10 quarts A/S 100ND. Replaced induction air filter (BA7112). Run up and leak checked. Run-up checks found satisfactory. All engine indications found normal. Static RPMs, idle, mixture, magneto checks, and propeller operation found normal and smooth. No fuel or oil leaks found. Found AD 75-05-02 Air/Oil Separator out of compliance due to condition and not capable of identifying Part No. or Model No. Found Air Wolfe oil filter adaptor in non serviceable condition. Engine installation not in airworthy condition at this time.

Brandon E. Blakney

Blakney Aviation WO # 8451

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Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE
FAA REPAIR STATION #DC2R763K
TULSA - OK - 74115

ENGINE RUN-IN SHEET

CUSTOMER Associated Aero Service W.O. NO. 19835
ADDRESS [REDACTED] Wiley Post Airport DATE 2-23-06
CITY, STATE, ZIP Bethany, OK 73008 ENGINE MODEL IO-470-N
FUEL OCTANE = AVGAS 100 LL SERIAL NO. 096477-R

NO.	DURATION (MINUTES)	R.P.M.	OIL PRESS (PSI)	C.H.T. (deg. F)	MANIFOLD PRESS (PSI)	OIL TEMP (deg. C)	FUEL PRESS (PSI) PUMP/NOZ	CRANKCASE PRESS (In. H2O)
1	10	1200	58	250	14	45	18 - 4.4	0
2	10	1800	50	300	18	75	24 - 5.8	0
3	10	2100	50	325	20	70	27 - 7.4	0
4	30	2450	50	350	23	70	32 - 10.7	1/4"
5	5	2625	50	358	28	70	26 - 18	3/4"
6	5	750	25	225	14	60	6 - 4	0
7								
8								
9								
10								
11								
12								

REMARKS: Start 1.6 end 2.7

MAG CHECK - START: OK END: OK

OIL - START: 10 END: 10 qt.

MECHANIC [REDACTED]

INSPECTED [REDACTED]

SERVICEABLE

Mfgr. Name Continental

Component Name Engine Assy.

Model IO-470-N

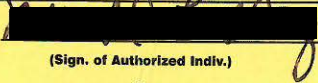
Serial 096477-R

The aircraft component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

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

Work Order No. 19835

Date 2-24-06

Signed  for

(Sign. of Authorized Indiv.)


Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE

FAA REPAIR STATION #DC2B763K


TULSA, OKLAHOMA 74115

DESCRIPTION OF REPAIR

Repaired Engine Assy. As Per Cust-
omers Request In Accordance With
Manufacturers Specifications.

MECH. [REDACTED]

Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE

FAA REPAIR STATION #DC2R763K

CA FORM 006A 10/03

TULSA, OKLAHOMA 74115

TT 2175.6 TSMOH 688.2

Oct. 24, 2007

IO-470-N

S/N 096477-R

WO#20684

This engine was dissassembled only enough to facilitate an inspection and repairs following a prop strike. Applicable parts were cleaned, inspected, reworked and/or replaced as necessary to ascertain airworthiness.

S.B. 96-10 c/w; crankshaft ultrasonic insp. @ A/C Spec..

A.D. 99-19-01; n/a to this earlier (serviceable) shaft.

A.D. 2000-23-21; "

A.D. 2007-04-19R1; n/a; cyl's produced before affected dates.

All (6) cylinders were repaired as neccs. to service limits (re-seated valves, honed, re-ring-std. steel bores).

Engine was reassembled I/A/W TCM overhaul manual X30588A, test ran on a stand and found ready for return to service. Pertinent details are on file at this station under work order no. 20684; parts replaced are listed on attached work order.

Mark D. Lickteig for CRS #DC2R763K



Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE

FAA REPAIR STATION #DC2R763K

TULSA, OKLAHOMA 74115-2321

PHONE

FAX

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Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE
FAA REPAIR STATION #DC2R763K
TULSA - OK - 74115

ENGINE RUN-IN SHEET

CUSTOMER Joe Milo W.O. NO. 20684
ADDRESS DATE 10-25-07
CITY, STATE, ZIP ENGINE MODEL 10-470-N
FUEL OCTANE = AVGAS 100 LL SERIAL NO. 096477-R

NO.	DURATION (MINUTES)	R.P.M.	OIL PRESS (PSI)	C.H.T. (deg. F)	MANIFOLD PRESS (PSI)	OIL TEMP (deg. C)	FUEL PRESS (PSI) PUMP/NOZ	CRANKCASE PRESS (in. H2O)
1	10	1200	54	300	15	62	10 - 4.8	0
2	10	1800	48	325	18	79	15 - 5.6	0
3	10	2100	51	325	20.5	75	18 - 7.4	1/8"
4	30	2450	45	375	23	85	22 - 9.8	3/4"
5	5	2625	50	350	28	80	22 - 16	1"
6	60	2450	48	375	23	81	21 - 9.6	3/4"
7	5	750	20	300	15	78	6 - 4.5	0
8								
9								
10								
11								
12								

REMARKS: Start 6.5 end 8.6

MAG CHECK - START: OK END: OK

OIL - START: 10 END: 9 3/4 qt.

MECHANIC

INSPECTED

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Beechcraft Bonanza, N5946C, C-35, D-3307, Tach Time 3436.80
Total Time airframe 6239.8

11 January 2008 This engine, Continental IO-470-N, s/n 096447-R installed in this aircraft on this date and tach time. Serviced with 11 qts. Phillips 20W50 XC and Champion CH-48109 filter. New exhaust gaskets, engine heater installed, new Castlegar engine baffling, Airwolf oil filter assembly, InterAv alternator system, new Knisley exhaust system, Airwolf Air/Oil separator. Engine ground test run with good results. I certify this engine has been inspected IAW an 100 hr. inspection and was found in an airworthy condition.

Gary Hammock

ENGINE TOTAL TIME (SREMAN) 2175.6
TSMOH 688.2

30 January 2008, Beechcraft Bonanza, N5946C, D-3307, C-35
Tach time 3436.80.
Replaced Continental Starter Drive, p/n 635050A4, s/n CAS2122
This is a "0" since overhaul unit from Quality Aircraft Accessorie
Tulsa, OK. See 8130-3 Yellow tag in aircraft records.

Gary Hammock

2-28-08 3449.3

INSTALLED ON ENGINE Drive Fuel Pump
p/n 646212-943 p/n B 12 AA 201R
SET TO TCM SPEC

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