THE COOPERATIONS AIRCRAFT MAINTENANCE MAINTENANCE RECORD RECORD SYSTEM

ENGINE MAINTENANCE RECORDS



ENGINE MAINTENANCE RECORDS

	107			Log No
Aircraft Re	gistration No.	N31121	•	
Engine Ma	nufacturer/	TCM		
Model	IO 53	50B		
Serial No.	675	402		
Date install	led on aircraft			
Time Betwe	een Overhauls	(TBO)	_Hours	
	If used on mu	Iti-engine aircraft:		
	☐ Right ☐ Front	☐ Left ☐ Rear		



www.adlog.com PO BOX 1359 / SOUTHOLD, NY 11971-0965 (631) 765-9375 1-800-235-6444 FAX: (631) 765-9359

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Page No. _____

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

POWERMASTER AIRCRAFT ENGINES

9027 S. Airport Way Jones/Riverside Airport Tulsa OK 74132 918-299-0269 FAA CRS # P46R287V

Engine Overhaul Record

Engine Make: Continental

Model: IO-550B

Serial Number: 675402

PAE Work Order # 1972

Date of Overhaul: 6-7-2002

Total Time: 1660.2 TSMOH: "0"

This entry certifies that this engine has been overhauled to manufacturers new part tolerances. This engine was disassembled, cleaned, inspected, overhauled and tested in accordance with TCM manual # X30568A. New parts count exceeds that set forth in TCM Service Bulletin 97-6, Mandatory Replacement Parts. All AD's and TCM mandatory service bulletins have been complied with.

The following accessories were new or overhauled and installed on this engine at the time of overhaul:

Component	Part Number	Serial Number
LH Magneto: RH Magneto: Fuel Injection System:	6310 (New) 6310 (New) 649053A1-9	02041337 02040821
Fuel Pump: Flow Divider: Control Valve: Oil Cooler:	646766-4A1 652133 646508-14A6 635996	B02CA310R C02CA266R AQ2CA265R 4256/000313-4
Starter: Alternator: Propeller Governor:	646275-1 646843 C290D3K/T23	CO41625 J038601.OR 860814

New Major PMA component parts:

RAM Camshaft, PN1058-1A SN-F01071 Superior Millennium Cylinders.

STC's:

GAMIjectors- STC#-SE09217SC

D'Shannon Baffling-STC#-SA2200SW

The engine and accessories identified above were inspected and overhauled in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Details of this overhaul are on file at this repair station under Work Order # 1972.

Signature /

William R. Cunningham FAA CRS #P46R287Y

SUB-TOTALS this page

TOTALS—Carry forward to next page

				Page No	
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	
	with hose ki vacuum pres for this item tion guide. 1 149, 115167 overhaul at 1 setup per TC	isine after may the from PHT-source pump 2. Performed Replaced the DXX040363 Fosters proper EM SID 97-3	jor overhaul Tulsa, OK. 16CW. Instantial annual inspections of the second secon	Engine Log Entry Engine Installation Annual Inspection Engine: IO550B SN: 675402 TT-1660.2 this date. Installed using new engine mount isolators, all hoses replaced Made all necessary connections of controls and linkages. Installed new talled D'Shannon Baffle kit per STC# SA2200SW. Form 337 prepared ection in accordance with FAR 43, appendix D and Beech 100hr inspectir ducts in engine compartment; BE709-4-30-6, 36-380098-1, 35-550115-2060585. Two each vacuum filters, RA-1J4-7. Installed propeller after Order 3616. Performed test run and leak check. Performed fuel system Il AD's to this date, all in compliance at this time. I certify this engine in an annual inspection and was determined to be airworthy.	
	William R. O	Cunningham	AP4477238	Engine Log Entry	
	The followin 1-35-95000: 1-35-95000: 1-35-95000: 1-35-95000: 1-701-04 LF 1-701-05 RF	N31121 SN w exhaust sy ng componer 5-29 RH Col 5-1A LH Co 5-9 RH Tail 5-11 LH Tail H Muffler H Muffler	stem manufa nts installed a lector llector pipe		
				SUB-TOTALS this page	

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
3/402	1683.2	23.0	107.1.	DRAINED OIL, REMOVED + CUT
ε				FILTER ELEMENT, NO CONTAMINATES
				FOUND. INSTALLED NEW CH48109 FILLER
ř				TORQUED & SAFETRED. ADDED 1205
9				PHILLIS 20W50. TEST RAN TLEAK
			9	CHECK CK
production and		A CONTRACTOR OF THE PARTY OF TH	*	Will Cuf A 441 723808
		· .		
6 Aug C	2 /683	77		PROPELLER DYNAMIC BALANCES
			,	BY STATIC WEIGHT ADJUSTMENT
			8	FURTHER DETAILS UNDER WO# 607
ii				FELKINS AIRCRAFT FAACRS WAKR918K
2			*	2860 NSHERIDAN TULSA OK 74055
				7-1: 918-585-2007
				/lui Fun
10-28-03	>			Completed A 100 Kr. INSP. IAN
H0565	134.5			A CONTINENTAL FO-550B
TTAF	1710-6)		Service MAN. + FAT 43. D Renoved
TTSO	50.4			Cleaned + Tested All Plugs. COMP.
				"I Certify This Engine HAS been
				iNSP IAW A look MSP. And
				WAS DETErmined To be N AN
				Airworthy could Ition
		Swar ⁵	4, 4	Jys Pl
				XXP 2671389
				CUR TOTAL S this page
	-			SUB-TOTALS this page TOTALS—Carry forward to next page

				Page
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
	1750.0		173.9	TOTALS brought forward from previous page
8/19/04				Chained OIL + FILTER, SERVICEO
				PHILLIPS X-C 20W 50 AND INSTALLED
				A CH 48109 FILTER - INSP. THE OLD
				FILTER FOR CONTAMINATION FOUND OX
				This INSP. GROPUN LEARCH OX.
			100	Fon Oznak Ain See
		8		Warran Walter Aggres
Supplem com				

LOGBOOK ENTRY ENGINE

Ozark Air Services St. Louis Downtown Airport
Hangar 1
2100 Vector Dr.
Cahokia, IL 62206
618-337-5845
618-337-6576 (F)
ozarkair@sbcglobal.net

N31121 S/N 675402

DATE:11/16/200# HOBBS:221.0

TOTAL A/C TIME:1797.1 SMOH 136.9

SCHEDULED MAINTENANCE

Comp. CK. 1.77/80 2.77/80 3.77/80 4.78/80 5.78/80 6.76/80 3.removed fuel manifold PN 646508-14A6 SN C02CCA2668 for the companies fuel metering under WO 16323 unit was reinstalled and ground run performed operational CK OK.

It certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy and is approved for return to service.

Management details of this work are on file under Work Order # 1107

WE 11-16-2004

CRIVE WINDS

SIGNED

Watters

A&P 2107832 IA

DATE:06/02/2005 HOBBS:296.0

DUTAL AIC TIME:SMOH 211.9

Ozark Air Services St. Louis Downtown Airport
Hangar 1
2100 Vector Dr.
Cahokia, IL 62206
618-337-5845
618-337-6576 (F)
ozarkair@sbcglobal.net

their put-4:518-14A6 SN C02CA266R and fuel metering unit PN 646628A7 SN A02CA265R this units of the engine and ground run for leak check, none found.

SEENED Forman Watter A&P 2107832 IA

SUB-TOTALS this page

	Vice, Inc.	6508-14 02 CA 266R				DATE INITIAL	11-5 MB 11-5 MB				
				SERI	/ICI	EABLE					
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		PART NAME		Jack Jack	1	lu					
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		TYPE ()	out	79). NO. 163	23		70,2		
		AIRCRAFT A	1-		SER	IAL NO. Cos	CA 264 G		20		
	- day com	· ·	3112		PAR	TNO. Le40	CA 266 R				
	3	INCREASE					7.	-			
		INSPECTED B	Y m	h Be	met						
	SCHEDULED MAI 1.changed oil & filte insp. 2.COMP. CK. bench CK by mikes I certify tha condition and is appr Additional details of DATE: 11-16-2	er serviced with ae 1.77/80 2.77/80 3. fuel metering und at this engine has be roved for return to s this work are on fil	eroshell 15 77/80 4.78 der WO 10 een inspectervice.	5w-50 and a 0 6/80 5.78/80 6 6323 unit wated in accordated or order # 1	CH48109 .76/80 3. s reinstal ance with	removed fuel man led and ground ru	ifold PN 646508-14.	A6 SN C02C tional CK Ol ed to be in an	CA266R for K.		
	-EBBO II.01 LUC					10.1	.0100010010	г.,	=: 3		
1	/ED AIRCRAFT AC	ccessories, i 7R SERVICE		34-946-900	<u> </u>	,			ler Record		
	JUTON TOM	<u>IK ⊅€KV(CE</u>				P/Name / + C	F.A.A.	Repair Station	3,583		
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75						d		LATIONS OF THE ADMINISTRATION	AND IS	APPROVED
TEST RE	SULTS			***			*****	FOR RETURN TO	SERVICE.	
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ENGINE MODEL: ENGINE S/N: REG. NO: 31121 WORK ORDER 299-08-2005



Executive Beechcraft STL, Inc.

Repair Station No. DEBR152D 532 Beechcraft Ave. Chesterfield, MO 63005 Phone: 636-532-4800

DATE: 8/4/2005 A/C TSN: ENG TT: 315.8 HOBBS: 315.8

Engine Entries

(1) Drained oil from engine and took oil sample. Installed new oil filter p/n CH48109-1 and serviced engine with 11 quarts 20W50 Phillips X-C oil.

Maintenance Release

With respect to the work performed, this engine is determined to be in an airworthy condition and is approved for return to service. Pertinent details of the repairs are on file at this repair station DEBR152D under the above noted work order.

DATE: 8/4/2005

Work Order: 299-08-2005

Mark Scheldt Certified Repair Station No. DEBR152D Printed by EBis 3 (datcomedia.com)

FNGINE MODEL: 10-550 Series ENGINE S/N: 675402 REG. NO: 31121 598-11-2005

Executive Beechcraft STL, Inc.

Renair Station No. DEBR152D 532 Beechcraft Ave. Chesterfield, MO 63005 Phone: 636-532-4800

DATE: 12/21/2005 A/C TSN: 353.6 ENG TT: 1929.7 TSMOH: 269.5 HOBBS: 353.6

Engine Entries

(1) Complete an Annual Inspection per the Beechcraft Bonanza Maintenance Manual p/n 36-590001- 9A28, revised: August 31, 2005 and Beech inspection guide p/n 98-32227J reissued,July 5,2002.... (3) Drained oil and removed filter. Cut open filter and inspected, no metal found. Obtained oil sample for analysis. Installed CH48109-1 filter and safetied. Filled crankcase w/12 qts XC 20W50 oil. Ran engine and checked for leaks. None noted.... (4) Performed compression test with the following results: cylinder #1.75/80, #2 73/80, #3 75/80, #4 74/80, #5 76/80 and #6 74/80.... (9) AD 2004-08-10 inspection for certain ECI manufactured engine cylinder does not apply, no ECI cylinders are installed.... (12) Cleaned, gapped, tested and reinstalled all spark plugs.... (13) Removed fuel injector nozzles and cleaned. Inspected injector lines. Reinstalled nozzles.

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition and is approved for return to service. Pertinent details of the inspection/repairs are on file at this repair station DEBR152D under the above noted work order.

DATE: 12/21/2005

SIGNED: (

Work Order: 598-11-2005

Christopher Faulbaum Certified Repair Station No. DEBR152D Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: 10-550 Series ENGINE S/N: 675402 REG. NO: 31121 WORK ORDER 1267-07-2006



Executive Beechcraft STL, Inc.

Repair Station No. DEBR152D 532 Beechcraft Ave. Chesterfield, MO 63005 Phone: 636-532-4800

DATE: 7/27/2006 A/C TSN: 1987 TSMOH: 326.8 HOBBS: 410.9

Engine Entries

(1) Drained oil, removed filter and took SOAP sample. Installed new CH48109-1 filter and saftied. Added 11 qts Aeroshell 100w oil and ran engine. No leaks noted

Maintenance Release

With respect to the work performed, this engine is determined to be in an airworthy condition and is approved for return to service. Pertinent details of the repairs are on file at this repair station DEBR152D under the above noted work order

DATE: 7/27/2006

SIGNED:

Work Order: 1267-07-2006

Printed by EBis 3 (datcomedia.com)

Mark Scheld Certified Repair Station No. DEBR152D

Mobile Aircraft Inspections, LLC

2		

O. Box 1901 Washington, MO 63090	Office 636-234-0924	Cell 636-667-

3261 e-mail

Date: Dec. 11, 2006 Model: Beech A-36 Total Time: 2022.4 S/N: E-2428 Hobbs: 446.3 N#: 31121 Eng. P/N IO-550-B Eng. Model: Continental Eng. TT: 2022.4 Eng. S/N 675405 Eng. SMOH: 362.2

LOG BOOK ENTRY

- 1. I certify that this Engine / Propeller has been inspected in accordance with an annual inspection Per Manufacturer inspection guide and FAR 43 Appendix "D" and determined to be in an airworthy condition and is approved for return to service.
- 2. Drained oil and removed oil filter. Cut open filter and checked OK.
- 3. Replaced oil filter with a new filter P/N AC 48109-1.
- 4. Serviced engine with 12 qts. Phillips 20W50 oil
- Compression check (Minimum acceptable pressure 38) #1-70/80, #2-68/80, #3-72/80, #4-74/80, #5-74/80, #6-74/80.
- 6. Cleaned and gapped all spark plugs.
- 7. Replaced air inlet filter with a new filter P/N BA-7112.
- 8. All AD's Complied with through Dec. 8, 2006. See AD compliance record dated Dec. 8.2006
- 9. Performed operational checks and ground runs

ard Johnson 1817994 IA

Mobile Aircraft Inspections, LLC

P.O. Box 1901 Washington, MO 63090 Office 636-742-4282 Cell 636-667-3261 WWW.mobileai.net e-mail service@mobileai.net

Model: Beech A-36

S/N: E-2428 N#: 31121

Eng. Model: Continental

Eng. S/N 675405 Eng. SMOH: 447.8 Date: Jan. 08, 2008 Total Time: 2108.0

Hobbs: 531.9

Eng. P/N IO-550-B

Eng. TT: 2108.0

ENG. LOG BOOK ENTRY

- 1. I certify that this Engine / Propeller has been inspected in accordance with an annual inspection Per Manufacturer inspection guide and FAR 43 Appendix "D" and determined to be in an airworthy condition and is approved for return to service.
- 2. Drained oil and removed oil filter. Cut open filter and checked OK.
- 3. Replaced oil filter with a new filter P/N AC 48109-1.
- 4. Serviced engine with 12 qts. Phillips 20W50 oil.
- 5. Compression check (Minimum acceptable pressure 38) #1-68/80, #2-72/80, #3-74/80, #4-68/80, #5-70/80, #6-78/80.
- 6. Cleaned and gapped all spark plugs.
- 7. Replaced air inlet filter with a new filter P/N BA-7112.
- 8. All AD's Complied with through Jan. 8, 2008. See AD compliance record dated Jan. 8,2008.
- 9. Performed operational checks and ground runs

Edward Johnson A&P4817994 IA

ENGINE MODEL: 10-550 ENGINE S/N: 675402 REG. NO: 31121 WORK ORDER: 3589-09-2008

Executive Beechcraft STL, Inc.

Repair Station No. DEBR152D 532 Reechcraft Ave. Chesterfield, MO 63005 Phone: 636-532-4800

OCT 3 1 2008

DATE: 9/9/2008 A/C TSN: 2171.1 ENG TT: 2171. TSMOH: 510.9

Engine Entries

(1) Drained oil and removed filter. Installed new CH48109-1 filter and safetied. Added 11 qts Phillips XC 20W50 oil. Ran engine No leaks noted

With respect to the work performed, this engine is determined to be in an airworthy condition and is approved for return to service. Pertinent details of the repairs are on file at this repair station DEBR152D under the above noted work order

DATE: 9/9/2008

SIGNED:

Work Order: 3589-09-2008

Printed by EBis 3 (datcomedia.com)

Christopher Faulbaum

Certified Repair Station No. DEBR152D

- 1. Drained oil and removed oil filter. Cut open filter and checked OK.
- 2. Replaced oil filter with a new filter P/N AC 48109-1. 3. Installed 12 qts. Phillips 20W50 oil.
- 4. Performed operational checks and ground runs

Edward Johnson A&P 1817994 IA



orward from previous page

DESCRIPTION OF WORK PERFORMED-

RE & CERTIFICATE NO. OF PERSON PERFORMING WORK

HOME 471-462-5221

POWERPLANT

MAKE: cont SERIAL#; 675405 DATE@# - 61-07 MODLE: IO-550-B TACH: **632. %**

Drained engine oil and removed. filter. opened oil filter can and checked for metal and none noted at this time. removed all sparkplugs and installed 12 new URHB32E sparkplugs. checked mag to engine timing. checked engine compression 1). 70/80, 2)74/80, 3)75/80, 4)75/80, 5)75/80, 6)72/80 checked battery fluid levels checked this aircraft engine has been inspected IAW an annule inspection and found to be in airworthy condition at this time on this date. Rick Martin AP3110934IA



HOME 471-462-5221

CELL: 417-718-0168

POWERPLANT

MAKE: cont SERIAL#; 675405 DATE: 08-29-09 MODLE: IO-550-B TACH: 675.0

complied with A.D. 2009-16 by inspection of cylinders no cracks or leakage noted at this time cylinders are not affected by this A.D. cylinder part #s not listed in body of A.D. cylinder part #s are SAC52001 I D manufactured by CP no mention AMCAST any place on head. engine compression 1). 70/80, 2)74/80, 3)75/80, 4)75/80, 5)75/80, 6)72/80 Rick Martin AP3110934IA

OPPART

09.8

OIL & FILTER Q HAARE

Rich Hartin

12-01

Aircraft Maintenance Specialties

May 5, 2010

N31121

Hobbs: 732.5

TSMO: 648.4

ETT: 2308.6

Changed oil and filter. Serviced with 12 qts. Phillips 20w50 and CH48109-1 filter. Checked magneto to engine timing. Compression test: 1) 60 2) 70 3) 70 4) 72 5) 74 6) 68. Cleaned, gapped, tested and rotated spark plugs. Cleaned and inspected fuel screens and injector nozzles. Replaced induction air filter P/N BA-7112. Checked all AD's through 2010-09. AD 2009-16-03 cylinder head N/A not investment cast cylinders. AD 2009-19-07 cracks in cylinders N/A cylinders are not EQ3. AD 2009-24-52 hydraulic lifters N/A by date. Washed engine and ran for leak check. I certify that this engine has been inspected in accordance with a 100hr / Annual inspection and was determined to be in an airworthy condition. Pertinent details are on file with the undersigned under Aircraft Maintenance Specialties work order 1349.

Kent D. Lischer A&P 3434937 IA

	N31121	Hobbs: 812.9	TSMO: 728.8	ETT 23 9.0)RK			
gasket. Checke	d magneto to eng	ced oil filter P/N CH4 gine timing. Compres and rotated spark plu	ssion test: 1) 64 2)	60 3) 72 4 3 5) 7	72			
		induction air filter P						
		ran for leak check 100hr / Annual insp						
airworthy cond	ition. Details of	work performed a						
Specialties, Inc.	under work orde /) ⟨	r 1614.						
Kent 1). t	hech							
Kent D. Lischer	A&P 3434937 IA	A						
			14/4/4					
	Aircraf	t Maintenance Spe	cialties, Inc.	² e				
July 5, 2012	N31121	Hobbs: 886.0	TSMO: 801.9	ETT: 2462.1				
No oil change at	this time. Check	ed magneto to engin	e timing. Compress	ion test: 1) 60 2) 6	6			
nspected fuel s	creens and inject	ed, gapped, tested a ctor nozzles. Repla	aced induction air	filter P/N BA-7112	2.			
Replaced R/H m	nuffler assembly F	P/N A701-19. Check t carburetor not insta	ed all AD's through	2012-12. AD 2012	2-			
check. I certify	that this engine	has been inspected	in accordance wit	n a 100hr / Annua	al			
inspection and w	as determined to	b be in an airworthy of Specialties, Inc. unde	condition. Details of	work performed ar	re			
		specialities, mc. unde	er work order 1337.					
Kant D. Jischer	м A&P 3434937 IA							
LISCHEI		1						
	Airorof	t Maintananaa Sna	nialtica Inc					
Numer 46 2042		t Maintenance Spec		ETT. 2540.4				
August 16, 2013		Hobbs: 943.0	TSMO: 858.9	ETT: 2519.1				
	6) 66. Cleaned, greens and injector	ed magneto to engine gapped, tested and r or nozzles. Replaced	otated spark plugs.	Cleaned and	4			
3) 70 4) 68 5) 70 nspected fuel sc	Checked all AD's through 2013-16. C/W AD 2009-16-03 Superior Cylinder Assemblies by visual inspection in accordance with para g (i), (ii), (iii) of AD. No defects noted. Due again at							
3) 70 4) 68 5) 70 nspected fuel sc Checked all AD's			3 Superior Cylinde	r Assemblies by	t -			
B) 70 4) 68 5) 70 nspected fuel so Checked all AD's visual inspection 93.0. Washed e	in accordance we engine and ran for	ith para g (i), (ii), (iii) r leak check. I certify	03 Superior Cylinde of AD. No defects r that this engine has	r Assemblies by oted. Due again a s been inspected in				
8) 70 4) 68 5) 70 nspected fuel so Checked all AD's visual inspection 993.0. Washed e accordance with condition. Details	in accordance we engine and ran for a 100hr / Annual s of work perform	ith para g (i), (ii), (iii)	O3 Superior Cylinde of AD. No defects r that this engine had determined to be in	r Assemblies by oted. Due again a s been inspected in an airworthy				
8) 70 4) 68 5) 70 nspected fuel so Checked all AD's visual inspection 993.0. Washed e accordance with	in accordance we engine and ran for a 100hr / Annual s of work perform	ith para g (i), (ii), (iii) r leak check. I certify inspection and was	O3 Superior Cylinde of AD. No defects r that this engine had determined to be in	r Assemblies by oted. Due again a s been inspected in an airworthy				
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DATE TIME THE RECORDING METER TIME SERVICE OVERHAUL TIME

DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

Aircraft Maintenance Specialties, Inc.

September 19, 2014

N31121

Hobbs: 951.3

TSMO: 867.2

ETT: 2527.4

Changed oil and filter. Serviced with 12 quarts Phillips 20w50 and CH48109-1. Checked magneto to engine timing. Compression test: 1) 58 2) 68 3) 68 4) 68 5) 70 6) 62. Cleaned, gapped, tested and rotated spark plugs. Cleaned and inspected fuel screens and injector nozzles. Replaced induction air filter P/N BA-7112. Checked all AD's through 2014-18. C/W AD 2014-05-29 Superior Cylinder Assemblies by visual inspection in accordance with Para (g) of AD. No defects noted. Next inspection due at 1001.3. Cylinder replacement due in June 2019. Approval for alternate means of compliance approved from the Ft. Worth Special Certification Office ASW-190 ACO Approval Authority to Superior Air Parts Inc. Service Bulletin B14-01 Dated 5/15/2014. St. Louis FSDO notified of this AMOC on 9/16/2014. Washed engine and ran for leak check. I certify that this engine has been inspected in accordance with a 100hr / Annual inspection and was determined to be in an airworthy condition. Details of work performed are on file with Aircraft Maintenance Specialties, Inc. under work order 25/27.

Kent D. Lischer A&P 3434937 IA

Aircraft Maintenance Specialties, Inc.

October 29, 2015

N31121

Hobbs: 984.0

TSMO: 899.9

ETT: 2560.1

Changed oil and filter. Serviced with 12 quarts Phillips 20w50 and CH48109-1. Checked magneto to engine timing. Compression test: 1) 72 2) 70 3) 72 4) 68 5) 74 6) 72. Cleaned, gapped, tested and rotated spark plugs. Cleaned and inspected fuel screens and injector nozzles. Replaced induction air filter P/N BA-7112. Checked all AD's through 2015-20. C/W AD 2014-05-29 Superior Cylinder Assemblies by visual inspection in accordance with Para (g) of AD. No defects noted. Next inspection due at 1034.0. Cylinder replacement due in June 2019. Washed engine and ran for leak check. I certify that this engine has been inspected in accordance with a 100hr / Annual inspection and was determined to be in an airworthy condition. Details of work performed are on file with Aircraft Maintenance Specialties, Inc. under work order 2824.

Kent D. Lischer A&P 3434937 IA

Aircraft Maintenance Specialties, Inc.

April 10, 2017

N31121

Hobbs: 989.2

TSMO: 905.1

ETT: 2565.3

Changed oil and filter. Serviced with 11 quarts Phillips 20w50 and CH48109-1. Checked magneto to engine timing. Compression test: 1) 68 2) 74 3) 72 4) 68 5) 74 6) 72. Cleaned, gapped, tested and rotated spark plugs. Cleaned and inspected fuel screens and injector nozzles. Replaced induction air filter P/N BA-7112. Checked all AD's through 2017-07. C/W AD 2014-05-29 Superior Cylinder Assemblies by visual inspection in accordance with Para (g) of AD. No defects noted. Next inspection due at 1039.2. Cylinder replacement due in June 2019. Washed engine and ran for leak check. I certify that this engine has been inspected in accordance with a 100hr / Annual inspection and was determined to be in an airworthy condition. Details of work performed are on file with Aircraft Maintenance Specialties, Inc. under work order 3247.

Kent D. Lischer A&P 3434937 IA

September 16, 2014

Energy Resources Inc. 2206 Samuel Stuart Ct. Chesterfield Mo 63305 Paul Reinhardt 636-532-9558

St. Louis FAA Flight Standards District Office 10801 Pear tree Ln. Suite 200 St. Ann Mo 63074

Attention Mr. Dan Blakely

Subject: Intention to use Superior Service Bulletin No. B14-01 as a Global AMOC for AD2014-05-29, Para. (i)(2).

Dear Sir:

It is our intention to use Superior Service Bulletin No. B14-01 as an AMOC for AD2014-05-29,paragraph (i)(2). The aircraft to which this AMOC will be applied is:

Aircraft make: Beechcraft

Aircraft Model: A-36

Aircraft N Number: N31121

Aircraft S/N: E-2428

Engline Model: 10-550-8

Engine S/N: 675417

Please contact the undersigned if additional information is required.

Robert Stegmafi Aircraft Technician

636-293-3827

RECEIVED

SEP 1 0 2014

STL FSDO

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPT SIGNATURE & CERTIF	TION OF WORK PERFORMED— TICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from	n previous page
wo: AMS3	547				Engine · page 1 of 1
	·			Aircraft Maintenance Specialties Ordinated Authorities	
		Aircraft Maintenand	ce Specialties, Inc.	12 Creekwood Dr. · St. Peters, MO 63376 · 63	6-248-5748
N3112	1	C	ontinental, IC	O-550-B, S/N: 675402	May 1, 2018
Tach: 1	037.6	TTSN	: 2613.7	SMOH: 953.5	
engine to rotated so Checked in accord due in Ju accordan	iming. Comp spark plugs. I all AD's thro dance with Pa une 2019. W nce with a 10	pression test Cleaned ar Gleaned	:: 1) 68 2) 68 ad inspected . C/W AD 20 . No defects ne and ran for . Aircraft Maint	ts Phillips 20w50 and CH4810 3 3) 70 4) 64 5) 72 6) 70. Cle fuel screens. Replaced induc 14-05-29 Superior Cylinder Asso toted. Next inspection due at 10 leak check. I certify that this er nd was determined to be in an tenance Specialties, Inc. under	eaned, gapped, tested and tion air filter P/N BA-7112. emblies by visual inspection 87.6. Cylinder replacement ingine has been inspected in airworthy condition. Details
Kent Lise	cher A&P IA	3434937	(let 1)	hinh	
1140					
wo: WO	237			Aurora Services	Engine annual - page 1 of 1
N311: Hobb	21 s: 1080.2	2529	C.M.I., 49.8: 2648.0	A36, S/N: 675402 1482.6: 987.8	June 7, 2019
2. (Completed co 4 cyl. 58/80, Complied with	mpression to #5 cyl. 68/8 recurring p	est with the fo 0, #6 cyl. 65/8 ortion of AD	FAR 43 appendix D. bllowing results: #1 cyl. 58/80, 30. Master orifice minimum pres 14-05-29 by inspection of Supe hobbs time. Cylinder replacem	ssure 44 p.s.i.
3. (lefects were i				
3. C	this engine D and was d	has been ins	enerted in an	cordance with an Annual Inspector worthy condition. Details of wor 237.	ection reference FAR 43 ap-
3. Cod	this engine D and was d craft Service	has been ins letermined to s under work	spected in ac be in an ain corder: WO_	cordance with an Annual Inspersion of worthy condition. Details of wor 237.	ection reference FAR 43 ap- rk performed are on file with
3. Cod	this engine D and was d craft Service	has been ins letermined to s under work	spected in ac be in an ain corder: WO_	237.	ection reference FAR 43 ap- rk performed are on file with

SUB-TOTALS this page

TOTALS—Carry forward to next page

7			W ₂ K
FAA-PMA Approved This magneto was manufactured from all new components in accordance with FAR 21 303h under authority of MMF3226 and is airworthy. This magneto is FAA-PMA Approved for applications listed in Unison Industries' Forms L-1058 and F-1100. For LASAR* Magnetos, see L-1500. Enter magneto model, serial number and date of installation and attach this tag to engine logbook. Magneto Model No. 234/357 Magneto Serial No. 234/357	Magneto Serial No. O2OH C821	See Attached Work Order Summary for details. (The See Attached Work Details in Accordance with FAR 43.9 as otherwise Specified in block 13, was (were) manufactured in accordance with FAR and in respect to the out in accordance with FAR approved for return to service. NOTE: In case of parts but the work specified in block 13 (or attached) above was carried out in accordance with FAR 43.9 as otherwise Specified in block 13, was (were) manufactured in accordance with FAR 43.9 work performed the part(s) is (are) approved for return to service. NOTE: In case of parts but the work specified in block 13 (or attached) above was carried out in accordance with FAR 43.9 work performed the part(s) is (are) approved for return to service. 15. Signature 16. FAA Authorization No. 22. Authorized Signatury 21. Cert 22. Authorized Signatury 22. Cert 23. December 23. December 24. December 24. December 25. De	INITED STATES UNITED STATES UNITED STATES UNITED STATES UNITED STATES AIRWORTHINESS APPROVAL TAG AIRWORTHINESS APPROVAL TAG U.S. Department Of Transportation Federal Aviation Administration Federal Aviation Administrati

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FAA-PMA Approved

Magnetos, see L-1500.

serial number and date of installation and attach this tag to

6310

most contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. on centification. In all cases aircraft maintenance records

This magneto was manufactured from all new components in accordance with FAR 21.303h under authority of MMF3226 and is airworthy. This magneto is FAA-PMA Approved for applications listed in Unison Industries' Forms L-1058 and F-1100. For LAS AR® Magnetos, see L-1500.

Enter magneto model, serial number and date of installation and attach this tag to engine logbook.

Magneto Model No.

Magneto Serial No.

Date of Installation_

L-1231-B

This magneto was manufactured from all new components in accordance with FAR 21.303h under authority of MMF3226 and is airworthy. This magneto is FAA-PMA Approved for applications listed in Unison Industries' Forms L-1058 and F-1100. For LASAR® Magnetos, see L-1500.

Enter magneto model, serial number and date of installation and attach this tag to engine lo jbook.

Magneto Model No.

Magneto Serial No.

Date of Installation L-1231-B