JOHNSTON

TELEDYNE CONTINENTAL

Gold Medallion Aircraft Engine

CONTINENTAL AIRCRAFT ENGINES
SINCE 1927
GOLD MEDALLION PROTECTION

REBUILT ENGINE LOG

5746K 514CS
AIRCRAFT N NUMBER

IO-520B-13B
ENGINE MODEL NUMBER

241712-R
ENGINE SERIAL NUMBER

ENG. TIME
= 220.89 + HORIZON TACH (5-6-99)

(334) 438 3411 Mobile, Al

This engine model IO520BA3, serial No. 241712-R, has been rebuilt by Teledyne Continental Motors. All applicable Federal Aviation Administration regulations and mandatory Teledyne Continental bulletins have been complied with. This log book shall indicate zero hours.

T 995

By Walter Pogue

Date 05-17-84

TELEDYNE CONTINENTAL MOTORS
Aircraft Products Division

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
7-30-84									952	52	Installed engine on aircraft 5746K. Added 12 qts. AeroShell Mineral. Installed new propeller s/n 736851. and installed prop governor s/n 1289681V/K.		
											I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE AN AIRWORTHY CONDITION.		
											[signature] A&P 211462706 IA		
BROUGHT FORWARD													
TOTALS													

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
											14 MAR 85 TACH 977,14		
											Chaney Oil & Filter		
											12 qts Aero Shell 50 SAE		
											Mineral Oil		
											~~Filter~~ 142420A		
5-22-85	E.T. 33 hr										I certify this engine has been inspected IAW with		
											a 100 hr. inspection & was determined to be in an airworthy		
											condition. Changed ~~oil~~ & filter. Leo H. Chesnut A&P 1554154		
9-19-86	Engine time 84 hrs												
	I certify this engine has been inspected I/AW a 100 hr. inspection												
	& was determined to be in a airworthy condition. Changed oil & filter												
	Aeroshell W 15 W-50 wt added. Compression checked as follows:												
	#2 69/80		#3 72/80		#4 68/80		#5 66/80		#6 70/80		Leo H. Chesnut A&P 1554154		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											Comp Test #1 68/80 #2 70/80 #3 72/80		
											#4 70/80 #5 70/80 #6 72/80		
											CHANGE ENGINE OIL SERVICE 12 QTS		
											Aeroshell 15W-50 & CH 48109 FILTER		
											"I certify that this ENGINE **has been inspected**		
											in accordance with AN ANNUAL **inspection and**		
											was determined to be in airworthy condition."		
											Date 1-1-88 **T.T.** 1072.8 **Tach** 1072.8		
											Signature a m Jagiminski **A. & P. 194421263 I.A.**		
											AD-8803-06 NA 1474202		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE 98	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
9-4						11	49.	67	TACH		COMP ✓ 80 PSI REF		
											#1 (60) #2 (63) #3 (60)		
											#4 (70) #5 (60) #6 (70)		
												WM Gadzenski	
												A&P 1944212	63A.I
9-29-98					Tach	1151	44		198	92	Changed oil + filter, Serviced with 8 qts Aeroshell W100. Checked compression: #1-70, #2-70, #3-74, #4-73 #5-70, #6-72. Cleaned + rotated plugs. Repaired ignition lead #B5. Checked timing + lubed breaker felts. Replaced intake hose clamps on #1 cylinder. Cleaned fuel servo screen + gascolator. Cleaned all fuel injectors. Replaced all eng fuel hoses leak checked ok. Continued →		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE 9-29-98	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Cont.											Replaced air filter with Brackett type (see acft log) Run-up leak + gps check ok. David L. Rupp	A&P 245231884EA	
											I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS IN AIRWORTHY CONDITION AT THIS TIME.		
											DATE 9-29-98	David L. Rupp	
											TWIN LAKES AVIATION INC.	A&P 245231884EA	
5-26-99	Tach		007.9			Changed oil and filter with CH48109 and 10 qts W100 Aeroshell. Run up normal. Dale E Stotler A&P 1920985							
6-15-99	Tach		011.2			Replaced contact points in both magnetos including retard points for starting. Timed and test ran. Dale E Stotler A&P 1920985							
6-24-99	Tach		015.1			Replaced 'P' lead capacitor in both magnetos with new. Reinstalled 'P' lead filters and test ran. Ops normal at this time. Dale E Stotler A&P 1920985							
BROUGHT FORWARD													
TOTALS													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
Oct 5, 1999											Tach time 35.5 HRS. TSMOH 255.6 HRS. Completed Annual Insp. I.A.W the Beech maintenance manual & found airworthy. Changed oil & filter. Added 1 qts 100W Shell oil. Cleaned & gapped spark plugs. Cleaned fuel controller screen. Replaced #2 + 3 cyl push rod seals. Replaced #2,3,4,5,6 cyl rocker cover gaskets. Tightened mixture control bolt & safetied. Removed magnetos for 500 HR Insp Model SLRN-201 S/N 8413078 + SLRN-205 S/N 8404467. & reinstalled & timed to engine using new gaskets & drive rubbers. Replaced hard line from fuel transducer to flow divider with high pressure hose & secured. Replaced oil pressure + manifold pressure hoses. Replaced vacuum hoses. Replaced baffle rubber in front of oil cooler. Dressed prop blades.		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
Serviced thermostatic control valve. Tightened RH exhaust tail pipe clamp bolts. Adjusted tail pipes not to hit cowl flaps in closed position. Tubed controls & checked rigging. Washed down engine. Run up & checked for leaks found none. Installed Lamm injectors per 337 this date. AD 97-26-17 Teledyne Continental crankshaft must be ultrasonic inspected at next removal or overhaul whichever comes first. AD 98-23-01 Parker Hannifin dry air pump D.N.A. to wet pump installed. Replaced air filter element.													
BROUGHT FORWARD													
TOTALS													

Date 10-5-99 T.T. (L) 35.5 (R) —

I certify that this AC/Eng. has been inspected in accordance with a Annual inspection and has been found airworthy.

Sig. Jim Findell

Cert. # I 4353483286

FINEFIELD AVIATION INC.
LAKE IN THE HILLS, IL 60102

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2-29-00	Tach 00		66.94								Changed oil & filter with CH48109 and 10 qts W100 Aeroshell. Dale E Walker A&P 1920985		
7-7	00		TACH	108.7							Replaced cyl #5, After finding loose head casting. installed New cylinder By ECI (WO # 78036-19) Eng. ground-run I/AW Continental manual All parameters found normal., replaced ind. duct with new part., replaced cowl flap Cable, replaced fuel inj. line (cyl. #2) with new line. All work I/AW Beech maint. man. A&P 1485560607 L. Verdiales		
BROUGHT FORWARD													
TOTALS													

9/20/00 198.92 + 127.74 Tach. + 21.67 (347.83)

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN NUME
10/00													
	Tach.	129.98									Perf. 100 hr. insp. I/A/W Beech maint. manual. Drained oil, ch. filter, serv. w. Aeroshell 100 A.D., cleaned and re-gapped spark plugs., Adj. L.S. ~~max~~. Timing, replace induction filter element. cleaned + Flow tested fuel inj. nozz. Corrected oil leak at TPI oil temp. probe. verified A.D. # 93-16-15, DNA on pump. P.4. (638 154-2) eng. ground run - All parameters found normal.		

AP 1658 130607

Date: 10-30-00 Tach: 129.98. Total Prop. Time: 349.58.
I certify that this ~~Aircraft~~ / Engine / ~~Propeller~~ has been inspected in accordance with an Annual Inspection and found it to be in Airworthy Condition.

BROUGHT FOR

TOT

Conrad P. Shad IA 1525270

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
2-6-01	TACH	TIME	156.00								Changed oil & FILTER WITH		
		CHAMPION	48109	AND	10QT	AEROSHELL	W100				L.E. Johnston	A&P 1307034	
4-13-01	TACH TIME		181.25		Changed oil & FILTER CHAMPION 48109								
	and	10 QTS	AEROSHELL	W100							L.E. Johnston	A&P 1307034	
5-16-01	TACH Time		210.25		Changed oil & Filter Champion 48109 and 10qts								
	Aeroshell W100										L.E. Johnston	A/P 1307034	

Aircraft: BEECHCRAFT

Model: $35 Tach/Hobbs: 224.7

Reg. No.: N5746K Date: 10/21/01

I certify that I have inspected this ENG
In accordance with an ANNUAL inspection
As per Manufactures Manual and found it to be in
AIRWORTHY CONDITION.

BROUGHT FORWARD TOTALS													

ENGINE LOG

DATE 02	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
2/8/02	2~~40~~	4	Tach								Replaced Cylinders # 1,3,2,4,6 with new ECI Classic Cast new Complete cylinder Assemblies, repaired loose Baffle seals, Inst. T/A/W Beech/ Continental maintenance manual. Eng ground-run as per SI M89-7 R1, All parameters found normal, eng serv. with Aeroshell 100 oil and a CH48109 oil filter was installed.	AHP 148380607 L. Verdiales	
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
02													
	281:	2	Tach								drained oil insp. filter, no particles found, serv. w. Aeroshell W100 AD oil, inst ch 48169 oil filter replaced both muffler with overhauled units by Aerospace Welding and inst two new p.n. 35-950005-61 tail pipes eng. ground-run, all parameters found normal at this time.		
												AP 1481301607	
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
7/2/02	300	.88	Tach			OIL CHANGED & FILTER (CH 48109); serv. w Aeroshell 100 11 qts							
						Regulator A/P 1307034							
7/24	302	.63				Replaced alternator with overhauled unit by aerotech P.N. 1100715 SN A207077 rep. hub with elastomeric unit. eng. ground-run charging syst found normal.							
											~~A/P 1400560607~~		
											L. Verdicchio		
8-14	329	-				OIL CHANGED, FILTER CHANGED (CH48109); serv w Aeroshell 100 11 qts					Regulator A/P 1307034		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
8/20/02	330.	4									Replaced leaking flow divider, inst. P.N. 631427-2A10 SN. L069303CR ovh by App HC Accessories eng. ground-run. all parameters found normal.		
											rep. L.S. muffler shield clamp.	G. Verchals AP1468T3060	
BROUGHT FORWARD													
TOTALS													

220
~~$92~~ + Journeytech

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
9/25/02	TACH	335.14							~~335~~	~~93~~	CLEANED & GAPPED		
									555	14	PLUGS, PERFORMED		
											COMP TEST AS FOLLOWS		
											#1) 70/80 #2) 70/80 #3) 70/80		
											#4) 70/80 #5) 70/80 #6) 70/80		
											LUBED CONTROLS, RAN &		
											OPS CK GOOD.		
BROUGHT FORWARD													
TOTALS													

Aircraft: BEECHCRAFT

Model: BONANZA $35 Tach/Hobbs: 335.14

Reg. No.: N5746K Date: 9/25/02

I certify that I have inspected this ENGINE

In accordance with an ANNUAL inspection

As per Manufactures Manual and found it to be in

AIRWORTHY CONDITION. MICHAEL W. MELVIN

261852252 I.A.

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
10/12/02									339	00	OIL CHANGED, FILTER CHANGED (CH48109)		
											serviced with 12 QTS Aeroshell W100		
											[illegible] A&P 1307034		
10/30/02									371	-	oil changed, filter changed CH 48109		
											serviced with 11 QTS Aeroshell W100		
											[illegible] 1307034		
1/4/03									398	-	oil changed, filter changed CH 48109, serviced		
											w/11 QTS Aeroshell W100, filter cut found clean		
											[illegible] A&P 1307034		
4/4/03									437		OIL CHANGED filter changed CH 48109		
											SERVICED w/11 QTS Aeroshell W100		
											[illegible] A&P 1307034		
7/11/03									470		OIL CHANGE filter changed CH 48109		
											serviced w 12 qts Aeroshell W100		
~~7/8/01~~	9/12/03								485		OIL CHANGE filter changed [illegible] A&P 1302034		
											W100 12 qts [illegible] 1302034		
BROUGHT FORWARD													
TOTALS													

TT = tach + 220

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
BROUGHT FORWARD													
TOTALS													

Aero Dynamics
213 Cessna Boulevard
Port Orange, FL 32128

Reg. No. N 5746K Date: July 11, 2003
Serial No.: D7533 Tach Time: 470.2

Removed and installed D & G Engine Fuel Pump Serial Number D138404RB. Rebushed sterling arm and changed oil & filter. – End –

L. Verdiales A&P 148580607

Date 12-Sept-2003 **N5746K** **Tach Time 484.99**

Engine total time 705.88

DATE	Grou						LICENSE NUMBER
	Completed 100 hr inspection per Beechcraft inspection form. Drained engine oil. Removed filter and opened for inspection. No contaminants found in filter at this time. Installed new Champion CH-48109 filter, torqued and saftided same. Added 12 qts of Aeroshell 100 W oil. Performed cylinder leak down test with following results. #1=78 #2=62 #3=74 #4=74 #5=76 #6=72. Removed, cleaned and gaped spark plugs. Reinstalled and torqued spark plugs. Checked magneto timing. Replaced ignition harness. Secured loose wiring and rubbing lines. Lubed controls.						
	Recurring AD notes	97-26-17C				due Engine overhaul or repair	
	Luis Verdiales A&P 148580607						
	Aircraft: N5746K Beechcraft						
	Reg. No.: N5746K Date: 13 Sept 03						
	Model: IO 520 BA3 Tach/Hobbs: 484.99						
	I certify that I have inspected this Engine						
	In accordance with an Annual inspection						
	As per Manufactures Manual and found it to be in						
BROUGHT FORWARD	AIRWORTHY CONDITION.						
TOTALS	Conrad P Shed A&P 1525270 IA						

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
			Reg. No.: N5746K						Date: 10/3/2003				
			Serial No.: D7533						Tach Time: 505.68				
			Replaced alternator with B&C Specialty Part number 1032230 and voltage regulator part number 052336. Engine ground tested all parameters found normal. – End –										
			L. Verdiales			A&P148580607							
11/4/04			OIL CHANGE @ 508 tach, filter changed CH48109, serviced w/ 12 qts AeroShell 100 [illegible] 130204										
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS – ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
	Reg. No.: N5746K					Date: November 18, 2003							
	Serial No.: D7533					Hobbs Time: 508.22							
	Replaced leaking oil cooler, installed new part number 635996, drained oil, replaced filter, inspected element, no particles found, serviced with Aeroshell 100 Plus oil. Engine ground-run, all parameters found normal.												
	L. Verdiales A&P 148580607												
	Tach 538												
3-13-04	Oil Change, oil filter replaced CH 48009 serviced w/ 11 qt Aeroshell 100 S Johnson								1302034				
BROUGHT FORWARD													
TOTALS													

Reg. No.: N5746K Date: 2/13/2004
Serial No.: D7533 Tach Time: 535.37

Replaced Vernathern Valve with part number 639305.
Ground ran no leaks noted at this time. – End –

L. Verdiales A&P148580607

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
Reg. No.:N5746K													
Serial No.:D7533													
Date: May 6, 2004													
Hobbs Time:555.2													
Aircraft engine inspected cylinders not affected by Engine Components Incorporated Service Bulletin #04-1, revision 1, dated March 11, 2004 also pertains to AD 2004-08-10 by cylinder model and type. – END –													
L. Verdiales A&P 148580607													
5-20-04	tach		570	oil changed filter replaced CH 48-109, serviced w/12 qts Aeroshell 100									1302034
7-24-04	tach		603	oil changed filter replaced CH 48-109 serviced w 11 QTS aeroshell 100									
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
1/9/04		tach			632.1						Drained oil, replaced filter,		
											no particles found, serv. with		
											replaced induction filter element		
											inspected element,		
											servoshell is W/O oil,		
											cleaned and flow tested injector nozzles,		
											secured loose baffle cyl. 2, 4		
											Rng ground-run, All parameters found normal.		
											All work I/A/W Beech 53J maint manual.		
												A+01485060607	
											HAVE COMPLETED AN ANNUAL INSPECTION AND FOUND THIS A/C, ENGINE, OR PROP TO BE AIRWORTHY. HARVEY D. BARNETT 1A1302210 A & P		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2-9-05			OIL CHANGED @ 661 Tach, Filter replaced CH 48109, Serviced w/ 12 qts										
			Shell W100						1302034				

Reg. No.: N5746K Date: August 11, 2005
Serial No.: D7533 Hobbs: 690.3

Drained oil, inspected filter, no particles found, serviced with Aeroshell 100 oil and installed 48109 oil filter.

L. Verdiales A&P148580607

BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS – ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min						
10/7									703.8		HAVE COMPLETED AN ANNUAL INSPECTION AND FOUND THIS A/C, ENGINE, OR PROP TO BE AIRWORTHY. HARVEY D. BARNETT 1A1302210 A&P		
BROUGHT FORWARD													
TOTALS													

Reg. No.: N5746 Date: 10-7-5
Serial No.: D7533 Tach: 703.8

Drained oil, replaced filter, inspected element, no particles found. Serviced with Aeroshell 15W50 oil, replaced induction filter element. Engine ground-run, all parameters found normal. All work I/A/W Beech 535 Maintenance manual. –END –

L. Verdiales A&P 148580607

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
12-1-05									722.44		Drained oil, replaced filter CH4801 9		
											Serviced with Aeroshell 100		
											Kelly 1302034 Tach 722.44		
4-23-06									769.0		OIL CHANGE Serviced with 11 qts		
											Aeroshell 100, Filter Changed		
											tach 769.0		
8-24-06									810.3		Drained oil, serviced with 11 qts		
											Aeroshell 100 - filter changed		
											Kelly 48109		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
								10.4	815.2		Adj. mag to eng timing, cleaned inj. nozzles, Adj. large throttle cable bracket secured loose ign. leads 2,4 eng. ground-run. All parameters found normal.		
						10.5			815.9		I HAVE COMPLETED AN ANNUAL INSPECTION AND FOUND THIS A/C, ENGINE, OR PROP TO BE AIRWORTHY. HARVEY D. BARNETT 1A1302210 A&P		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
11/2/06						823.48 Tach.					Replaced 4 prop mounts, installed 4 new PN. 7351231-3 mts. by Barry. eng. ground-run. no defects noted, Installed new R635XC Battery,		
												AP148580607	
11/11/06	Drained oil, replaced filter (Kelly 48109, serviced with 11 QTS Exxon Elite 20w/50w										AP Whitaker AP1302034		
5-5-07	Drained oil, replaced filter Kelly 48109 serviced with 11 QTS Exxon Elite 20w/50w										AP Whitaker AP1302034		
BROUGHT FORWARD			Oil and Sump submitted, filter inspected										
TOTALS													

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
8/07/07		OIL CHANGE - DRAINED OIL, replaced filter Kelly 48009, serviced with 11 QTS Aeroshell 100 OIL sent for anal.										K. Johnston #P1302034	
11/1/07		ECI Cerma Dual cyl.	907.08								Removed and re-inst. engine after overhaul by Zephyr, inst with new lord mts, hoses, baffles, Fuel Inj. syst. overhauled, all other accessories re-used, eng. ground run All parameters found normal		
BROUGHT FORWARD													
TOTALS											AP0148530607		

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.		

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits by Zephyr Aircraft Engines, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. Reassembled in accordance with manufacturer's current overhaul manual. Engine test run. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. A description of these repairs is on file at this agency under:

W.O. # 27172 DATED 10/29/07

MFG. CONTINENTAL MODEL IO-520-BA

Serial No. 241712-R Time in svc.

Tach: 907:08
installed + Run 11/1/07

Zephyr Aircraft Engines, Inc.
Municipal Airport
39320 B Avenue Zephyrhills, FL 33542

F.A.A. APPROVED REPAIR STATION #VI 4R597M

Authorized Signature

performed SID 97-3

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
											I HAVE COMPLETED AN ANNUAL INSPECTION		
11/21	07					907:08			0:0		AND FOUND THIS A/C, ENGINE, OR PROP TO		
						TACH			SMOH		BE AIRWORTHY. HARVEY D. BARNETT		
											IA1302210 A&P		
1						914 tach					Drained Oil & replaced filter. Aeroshell		
											W-100 11 qts. SEP		
3-19-08						941					Drained oil & replaced filter Phillips 48109		
											and filled with 11 qts Aeroshell W 100.		
											SEP 1302034		
5-10-08						954					Drained Oil and serviced with 11 qts		
											Aeroshell W 100 SEP 1302034 A&P		
6-24-08						987					Drained oil and serviced with 11 qts aeroshell		
											W 100 - Change filter, repaired & inspected, oil samples		
											sent to Blackburn SEP 1302034 A&P		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
9-26-08			Removed oil filter, insp. element, no particles found. re-inst. serv. oil to 11 Quarts										
Tach	1010.5		Adj. L MAG Timing after removal. replaced Both mufflers with ovh. units. cleaned injector nozzles. Adj. eng. control Bracket. replaced air cleaner element. check diff. compression. 1-72/80 2-74/80 3-71/80 4-74/80 5-75/80 6-73/80 perf. SI 97-3										
			Eng. ground-run, all parameters found normal.										
			Work I/A/W Beech V-35 maint manual.									AP	149580607
BROUGHT FORWARD													
TOTALS													

2008

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
9-28	I HAVE COMPLETED AN ANNUAL INSPECTION AND FOUND THIS A/C, ENGINE, OR PROP TO BE AIRWORTHY. HARVEY D. BARNETT IA#[illegible]210 A & P												
1010.5													
12-16-08	Drained oil & serviced with 11 qts Aeroshell 100 Tach time 1038 - Changed & replaced Oil Filter [illegible] 1302034												
5-29-09	Drained oil & serviced with 11 qts AeroShell 100, Filter removed and new Filter installed [illegible] 1302034 Tach 1065												
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
9-18-09											Total time		
Since											Major Overhaul		
											180.2 HRS. Completed		
Annual											Insp. I.A.W. the manufacturers		
maintenance											manual & found airworthy.		
Jim											Lindfield FA 253483286.		
											<SEE NEXT PAGE>		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

FINEFIELD AVIATION

ENGINE LOG **DATE: 9-18-09**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
5746K	Beech	S35	D-7533	1087.21	180.2

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 77/80, 2) 78/80, 3) 78/80, 4) 77/80, 5) 78/80, 6) 78/80. Cleaned induction air filter. Cleaned and gapped spark plugs. Replaced 1 spark plug. Checked magneto timing to Beech specs. Cleaned fuel injectors ultrasonically. Tightened all intake hose clamps. Tightened rocker cover screws. Cleaned fuel controller screen. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 11 qts. 100W Shell oil. Installed new grommets and washers on left tail pipe hangers, tightened hardware and safetied. Replaced #3 CHT gasket probe. Replaced left front motor mount heat shield and retorqued engine mount bolt. Installed new breather hose. Removed left exhaust stack, sent for repair and reinstalled using new gaskets. Patched left rear baffle where cracked. Tightened throttle warning horn micro switch connections. Installed left muffler shroud correctly. Replaced battery box inlet air duct. Installed a spacer on forward rear center cowl support bolt. Tightened prop control rod end bolt and safetied. Replaced broken clamp that holds battery box drain tube at bottom of firewall. Installed anti chafe tape on cowl and gill edges. Lubed controls and checked rigging. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: Jim Finefield Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation , 8407 Pyott Road, Lake in the Hills, IL 60156 Phone:

BROUGHT FO

TOTALS

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
11/15/09									1115	-			
	CHANGE OIL - ADDED 11 QTS Shell 100, change filter										Adjustment A/P 1302034		
3/3/10	CHANGE OIL added 11 qts shell 100								1146		filter A/P 1302034		
	filter changed Champ 48-109												
6/26/10	Change Oil added 11 qts Rerosheel 100 - filter changed Champ 48-109 A/P 1302034												
	Tach 1178								1178				
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Gro						

FINEFIELD AVIATION

ENGINE LOG — **DATE: 9-24-10**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
5746K	Beech	S35	D-7533	1204.96	297.7

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 78/80, 2) 76/80, 3) 76/80, 4) 76/80, 5) 77/80, 6) 75/80. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 9 qts. 100W Shell oil. Checked magneto to engine timing. Tightened valve cover screws and intake exhaust nuts and bolts. Tightened induction tube hose clamps. Dressed prop blades. Removed spark plugs, cleaned, gapped, applied anti seize compound and new washers, reinstalled and torqued. Cleaned spark plug wire ends. Completed alternator bearing inspection and installed with new exhaust duct. Installed new cooling duct to fuel controller. Reconnected standby alternator to current limiter. Performed precise flight standby vacuum annual and biannual inspection on saddle vent. Installed spinner using new stainless steel screws. Adjusted take off fuel flow. Washed down engine. Lubed controls and checked rigging. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. C/W AD 99-24-10 Precise flight standby vacuum system inspection part B1. Part B1 & B2 due again in 12 months. AD 2009-19-07 Teledyne Continental EQ3 cylinders D.N.A. due to ECI cylinders being installed. AD 2010-11-04 Teledyne Continental lifters D.N.A. due to no lifters being replaced in last 2 years. AD is now satisfied.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: Jim Finefield Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

BROUGHT F

TOTALS

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICEN NUME
2/26/11	DRAINED OIL & SERVICED WITH 11 qts Aeroshell 100, NEW CH 48109-1 FILTER INSTALLED												
	Tach time 1239												
7/16/11	DRAINED OIL & SERVICED WITH 10 qts Aeroshell 100 & 1 qt Marvel Mystery oil												
	NEW CH 48109 FILTER INSTALLED TACH TIME 1267												
BROUGHT FORWAR													
TOTALS													

Classic Aviation, LLC
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

N5746K

W/O # 11081501

Date 08/15/2011 Hourmeter ____ Tach 1278.5 ACTT ____

ENGINE LOG

Removed top and bottom spark plugs from #1 and #3 cylinders. Cleaned, checked and reinstalled. Ground run normal.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed Dean Showalter
Classic Aviation, LLC

Dean Showalter
A&P # 3126788

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
BROUGHT FORWARD													
TOTALS													

FINEFIELD AVIATION

ENGINE LOG — **DATE: 9-9-11**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
5746K	Beech	S35	D-7533	1297.4	390.4

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 77/80, 2) 78/80, 3) 74/80, 4) 76/80, 5) 79/80, 6) 77/80. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 9 qts. 100W Aeroshell oil and 1 qt of Marvel mystery oil. Checked magneto to engine timing. Installed new breather duct. Cleaned, gapped and rotated spark plugs. Installed new fine wire spark plug at cylinder #5 bottom position. Back blew paper induction air filter. Tightened EGT probe clamp. Installed right muffler after repair with new ball joint hardware. Starter brushes were inspected in satisfactory condition. Tightened rocker cover screws and induction and breather hose clamps. Fabricated new fuel line utilizing existing fittings for between fuel flow transducer and flow divider. Dressed prop blade leading edges. Painted propeller face flat black. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. Lubed controls and checked rigging. AD 84-26-02 Induction air filter is due for replacement in 213.1 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: Jim Finefield Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
9/12	DRAINED	AND	reserviced			with 10 qts Aeroshell 100, new filter 48109 Installed							
	tach time 1328.0												
14/1	Drained & reserviced					with 10 Qts Aeroshell 100 new filter 48109-1 Tach time							1362.2

FINEFIELD AVIATION

ENGINE LOG

DATE: 9-21-12

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
5746K	Beech	S35	D-7533	1390	483

I certify that this engine has been inspected I.A.W. an annual inspection and was found to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 75/80, 2) 74/80, 3) 72/80, 4) 72/80, 5) 72/80, 6) 74/80. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 9 qts. 100W Aeroshell oil. Removed left muffler, sent for repair and reinstalled. Cleaned fuel controller inlet screen, reinstalled and safetied. Tightened rocker cover screws. Installed new starter mounting o-ring, reinstalled and torqued. Tightened induction, breather and instrument air hose clamps. Checked magneto to engine timing. Dressed prop blades. Lubricated Precise flight standby vacuum system control with silicone and checked induction saddle fitting alignment per continued airworthiness annual 3.3.1.1 inspection. Removed spark plugs, cleaned, inspected, gapped and installed one new spark plug in #6 bottom. Lubricated engine controls and checked rigging. Washed down engine. Repositioned throttle warning position switch to specs. Adjusted idle mixture. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. AD 84-26-02 Induction air filter is due for replacement in 120.5 hrs. C/W AD 99-24-10 Precise flight standby vacuum system part B1. Part B1 and B2 due again in 12 months. AD 2012-10-13 Teledyne Continental starter adapter D.N.A. to engine model.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature Jim Finefield Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation , 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

ENGINE LOG

DATE	R.P.M. Ground	R.P.M. Air	TIME ON GROUND Hrs.	TIME ON GROUND Min.	TIME ON GROUND Total	TIME IN AIR Hrs.	TIME IN AIR Min.	TIME IN AIR Total	TOTAL TIME Hrs.	TOTAL TIME Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
11/5/12	Drained oil & serviced with 10 qts 15W50 Shell Replaced oil filter w/ Champion 48109 filter										Tach 1408	1302034	
3/9/13	Drained oil & serviced with 10 qts Aeroshell 15 w 50 Replaced oil filter Tach time 1435											1302034	
6-19-13	Drained oil & serviced with 10 qts Aeroshell 15W50 replace oil filter tach time 1477 sample to Blackstone											1302034	
5/10/2014	Drained oil & serviced with 10 qts Aeroshell 15W50 replaced oil filter with Champion 48109 tach time 1521.00 sample to Blackstone											1302034	
9/28/14	Drained oil & serviced with 10 QTS Aeroshell 15W50 - replaced oil filter with Champion 48109 tach time 1561 sample to Blackstone lab											1302034	
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R. / Ground				RE	LICENSE NUMBER

Date: 10-28-2013		TACH: 1494.43
Registration: N5746K	Serial #: D-7533	TTAF: 2657.93
Engine: TCM IO-520-BA(3)	Serial #: 241712	TTSMOH: 587.43
Prop: 2A36C23-P-EG	Serial#: 736851	TTP: 638.23

- Performed Annual Inspection in accordance with FAR 43 appendix D and the Bonanza 33, 35, & 36 Annual Long Form Inspection Guide, reissued March1985.
- Performed Compression check, numbers listed below. Compression check performed using TCM master orifice. Failing indication is 42/80 or below.
  - (1) 74/80 (2) 75/80 (3) 70/80 (4) 70/80 (5) 71/80 (6) 73/80
- Removed, cleaned, and re-installed fuel injector nozzles.
- Check fuel screen for contaminants. None noted.
- Removed and replaced all spark plugs with new RHB32E.
- Drained engine oil and serviced with 10 quarts Aeroshell 100AD and new Tempest AA48109-1 filter. Cut old filter, no contaminants noted.
- Lubed all engine controls.
- Run-up, mag check, prop check, fuel pressure & flow check, idle & mixture check satisfactory.
- All AD's complied with thru this date.
- I certify this **ENGINE** has been inspected in accordance with an **Annual** inspection and is found to be in an airworthy condition.
- I certify the above work was performed is accordance with Manufacturer's specifications and applicable FAR's. I approve this aircraft for return to service.

BROUGHT FORW

TOTA

James Curtis Boulware A&P 3232817 IA

---------- END ----------

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

FINEFIELD AVIATION

ENGINE LOG **DATE: 10-13-14**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
5746K	Beech	S35	D-7533	1567.9	660.9

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 78/80, 2) 76/80, 3) 75/80, 4) 74/80, 5) 75/80, 6) 76/80. Removed right muffler, sent for repair and reinstalled. Tightened intake and exhaust flange nuts and bolts. Removed magnetos for 500 hr inspection. Left magneto p/n:10-163020-3R, s/n: F061603 and Right magneto p/n: 10-163060-1R s/n: F061606 and reinstalled and timed to engine using new gaskets and drive rubbers. Removed alternator, Delco 1100715R s/n: F123891 for 400 hr inspection. Cleaned commutator slip rings, installed new drive end bearing and seals, reassembled with a new brush holder assembly. Reinstalled alternator using a new gasket. Removed fuel controller screen, cleaned and reinstalled. Installed a new Donaldson paper induction air filter, next due at hobbs time 2067.9 hrs. Installed an overhauled Rapco 216CW vacuum pump s/n: 159466 using a new gasket. Removed starter for repair p/n: 646238, s/n: D-3684, and reinstalled. Installed new push rod tube seals on $4 cylinder. Removed alternator, cleaned and reassembled using new drive end bearing, gaskets and seals. Dressed prop blades. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. C/W AD 84-26-02 Induction filter by replacing. Due again in 500hrs. C/W S/B 0546-359 Alternator bearing inspection this date. Due again in 400 hrs.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: Jim Finefield Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 8399 Pyott Road, , Lake in the Hills, IL 60156 Phone: 815-459-4858

BROUGHT FOR

TO

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2/9/2015	Drained oil and serviced with 10qts Aeroshell 100. Filter Replaced Champion 48109 Tach 7mm 1572 Sample to Blackstone												
BROUGHT FORWA													
TOTALS													

06-30-2015 Tach: 1615.09
N5746K
Drained oil and serviced engine with Aeroshell 100 and added Marvel Mystery oil as directed. Replaced filter with new, Opened old filter with no contaminants noted. Oil sample taken and given to owner. Ground run and leak check satisfactory. This engine is approved for return to service.

Gerred A. Staiger
3014716IA

15/8/23

Spruce Creek FBO
205 Cessna Blvd
Port Orange, FL 32128
386-322-0701

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

FINEFIELD AVIATION

ENGINE LOG **DATE: 10-29-15**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
5746K	Beech	S35	D-7533	1635.6	~~778.6~~ 728.6

Actual Time 728.6

I certify that this engine has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition I.A.W. the Beech maintenance manual. Compression test: 1) 77/80, 2) 74/80, 3) 78/80, 4) 76/80, 5) 77/80, 6) 76/80. Ultrasonically cleaned all of the fuel injectors, reinstalled and checked for leaks. Changed oil and filter. Cut open old oil filter and found no contaminants. Serviced engine with 10 qts. 100W Shell oil. Removed the vacuum pump and mounting pad. Pressed a new drive seal into the pad and reinstalled the pad and pump using new gaskets. Checked the magneto to engine timing and found to specs. Cleaned the fuel controller inlet screen, reinstalled and safetied. Cleaned, gapped and rotated the spark plugs. Repositioned the induction drain fitting and fuel controller hoses and tied off at the hoses. Cleaned the paper induction air filter. Installed a serviceable foam gasket on the air filter frame. Dressed the propeller blade leading edges. Tightened the breather, instrument air and induction hose clamps. Tightened the rocker cover screws. Performed the Precise Flight annual ICA (PAR 3.3.1.1) by lubricating the control and inspecting the vacuum hoses and saddle fitting. Lubricated and checked engine control rigging. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. C/W AD 99-24-10 Precise Flight standby vacuum system part B1. Part B1 due again in 12 months. Part B2 due again in 12 months. AD 84-26-02 Paper induction air filter due for replacement in 432.3 hrs. S/B 0546-359 Alternator bearing inspection due again in 332.3 hrs.

BRO

This aircraft has been found airworthy for return to service with respect to the work described herein.
Authorized Signature: Jim Finefield Printed Name: James Finefield AP 353483286 IA
For Finefield Aviation, 8399 Pyott Road, , Lake In the Hills, IL 60156 Phone: 815-459-4858

MEMORANDA

DATE	
2/20/2016	OIL DRAINED & SERVICED W/10 QTS AeroShell W100, Change Filter CH 48109-1
6/4/2016	OIL DRAINED & SERVICED W/10 qts AeroShell W 15/50 Changed Filter CH 48109-1

1301203

Engine Mfg. Continental
SN 241712-R

Model IO 520 BA 3
Hobbs 1714.4 Hr.

Date Nov. 11, 2016
~~TSOH 857.4 Hrs~~
TSOH 807.3 Hrs
E Beers
AP1467707.1A

Performed the following maintenance.
Installed 12 Qts Aero Shell 100AD oil.
Installed new oil filter, P/N CH48108-1.
Inspected oil filter for particles, none found.
Replaced left muffler, P/N A701-4, using the following new hardware.
(2ea.) clamp, P/N 35-95004-17, (3ea.) spring, P/N 186-218, (3ea.) washer, P/N AN960-10L, (3ea.) nut, P/N AN310-3, (3ea.) cotter pin, P/N 3AN380-2-3.
Ran up engine. Checked for oil leaks. No leaks found.

The components(s) and / or discrepancy (ies) identified above were repaired & inspected in accordance with current FARs & were found to be airworthy for return to service

Curtis E. Beers; A&P 3063640 IA

MEMORANDA

DATI

Engine Mfg. Continental Model IO 520 BA 3 Date Nov. 11, 2016
SN 241712-R Hobbs 1714.4 Hr. ~~TSOH 857.4 Hrs~~
TSOH 807.3 Hrs
Edward C Beers
AP 1467707 IA

Engine compression was taken cold and values were the following values;
#1=78/80, # 2=70/80, #3=78/80, #4=78/80, #5=78/80, #6=78/80.
Performed bore scope inspection of cylinders, no defects noted.
This engine complies with Teledyne Service bulletin #M84-15, (Cylinder Leakage Check) for performance and is determined to be in compliance.
The ECi cylinders have the following serial numbers,
#1=49352-07, #2=49586-25, #3=49536-22, #4=49536-12, #5=49536-07, # 6=49189-06,

Ran up engine. Checked for oil leaks. No leaks found.

Checked for ADs
14-05-29 Superior Air Parts
16-16-12 ECi Cylinders,

NA parts not used.
Cylinders must be removed at 1160.0 Hrs TSOH.
TT 2067

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

Curtis E. Beers; A&P 3063640 IA

For Finefield Aviation, 8399 Pyott Road, , Lake ...