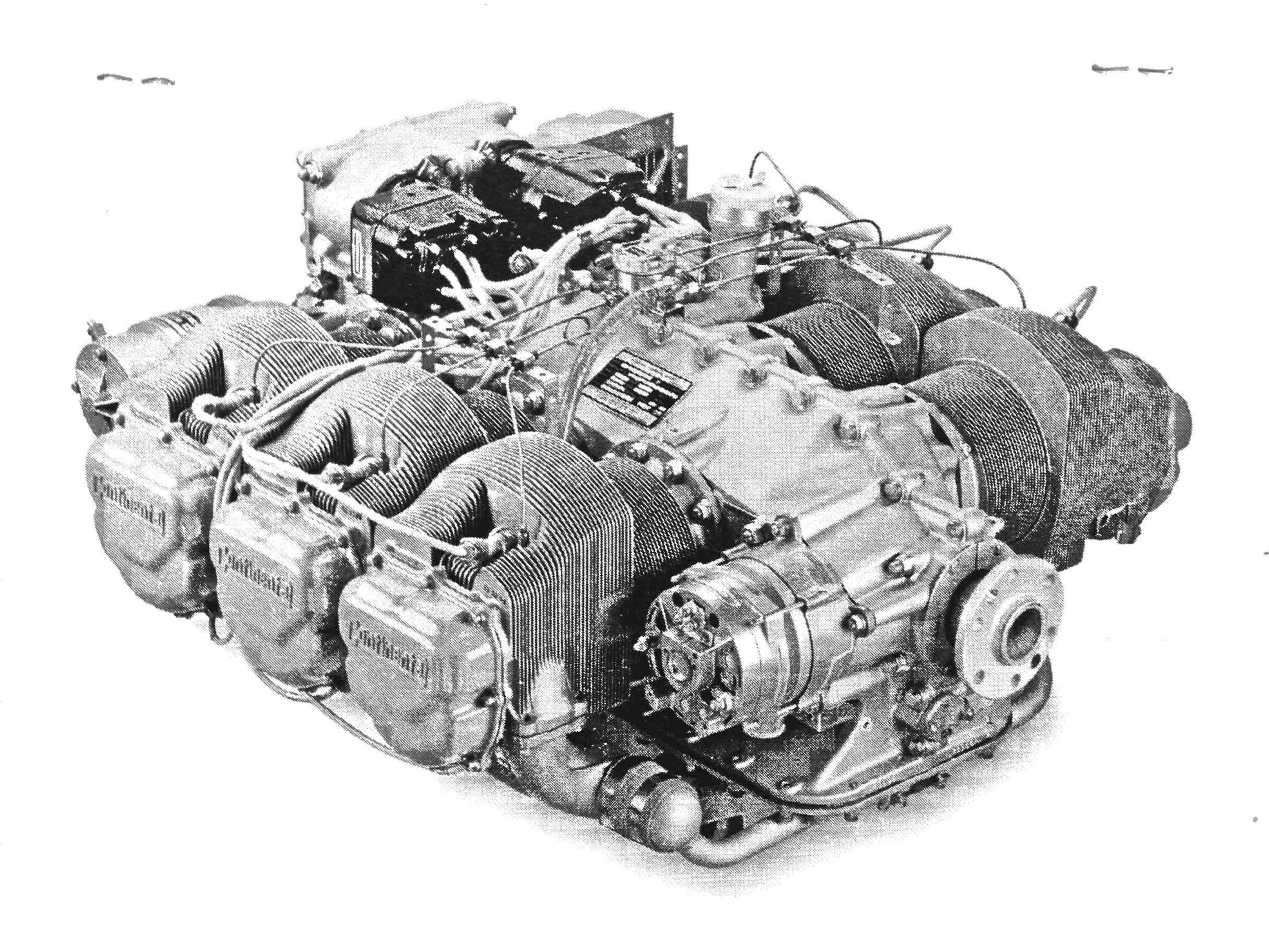
ENGINE LOG BOOK





Teledyne Continental Motors, Inc.

Form No. ELB-01

MAKE	CONTINENTAL	MODEL	IO-360-ES	S/N	360038		
Total Time:	100.5	Hours	Time Sin	ce Factory New:	100.5	Hours	
The aircraft engant and Administration and file at this repair st	I is approved for re	ve was repaired an eturn to service for	nd inspected in according the work performed	ordance with curre	ent regulations of low) Pertinent de	the Federal tails of repa	Aviation ir are on
	Work Order #	214		Date	11/2/2006		
Installed new hydrological cylinders and fit Right 6314, S/N 0 VAR crankshaft I run, for not less installed at this tip Poplar Grove	draulic lifters P/I new piston rings 5081680, both re AW TCM MSB96 than two hours, me is included w Airmotive, Ir	N 653906. Repair on original pisto paired by Poplar -10 and MHS-200 in an FAA appro ith this entry.	to propeller strikered cylinders, installed two ons. Installed two Grove Airmotive, No other ADs appreciate test cell and END	talled new guide (2) Slick magne Inc C/W AD 97 oply to this engi	es, ground seat tos Left P/N 631 7-26-17 by ultras ne at this time.	s and valve 14, S/N 050 Sound inspection	es. Honed 81679, and ection of a e was test
Poplar Grove Air FAA Approved Re		Sensitive Contraction of the Con	Signed for	Poplar Grove Airm	otive. Inc.	 0	

Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

USE ONLY FUEL CONFORMING TO ASTM D910 USE OF AUTOMOTIVE GAS IS NOT APPROVED.



Teledyne Continental Motors, inc.

A Teledyne Technologies Company

Printed: 09/16/2005

This engine model 10360ES6

, Serial No. 360038 was manufactured on 09/16/2005

by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all charges required by applicable Almorthiness Directives and Teledyne Continental Motors Service Pulleting

changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY PRODUCTION CERTIFICATE NO. 508

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
08/17/2006	100.5				Engine Removed from N/92TM
	Habbs				and sent for teardown inspection.
					Thomas A. Rechardes Haraga 98530
/ ^ /					
11/18/2006	100,5				Donstaller engine part IDabo ES SNA
					360038 réter Fretory teardours
					agjasteg endine ber Ercusg drown
					cuns & lenk checks sufficient
					Mar 6 3333339
					Mar 300 330
		<u> </u>	L	J	
		1/3/07	Hobbs		N192TM ENGINE med an Annual Inspection. Compression Check. #1 74/80 #2
				#4 70/80) #5 72/80 #6 71/80. The compression check was performed
		I/A/W added	Continer The plus	ntal SB (gs were (3-3. Changed oil and filter. 8 qt. 80W Aeroshell mineral was cleaned, gapped and rotated. Replaced the air filter. Replaced the
		right s	park plug	g lead gro	ommet. Corrected the prop governor cable hardware. Rigged the oper travel. Cleaned fuel screens and lubed controls. The engine
		was w	ashed do	wn, ran a	and checked for operation and leaks. AD's were checked through
		2006-	25.		
	+				TOTAL TIME TO 3.4
					THIS (Engine) HAS BEEN INSPECTED IN ACCORDANCE WITH AN ME CONNUC!
					INSPECTION AND WAS DETERMINED TO BE IN
					THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER:
	7				NO. MOG-10823 DATE 1/3/07 SIGNED //
					G-FORCE AVIATION, INC. AKRON/CANTON AIRPORT WORTH CANTON, OHIO 4479
					FAA REPAIR STA. G25R236V
		 		1	
	1		1	1	

Engine Service and Maintenance Record Time Since **Total Time** Date Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections. Min. Hrs. Min. Modifications and Service Bulletins Hrs. **Brought Forward** Hobbs 115.9 N192TM ENGINE 7/9/07 Performed an Annual Inspection. Compression Check. #1 73/80 #2 67/80 #3 71/80 #4 71/80 #5 72/80 #6 71/80. The compression check was performed I/A/W Continental SB 03-3. Changed oil and filter. 8 qt. 20W-50 Exon Elite was added. The plugs were inspected. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2007-13. MONTHAL 115.9 I CERTIFY THAT THAS BEEN INSPECTED IN THIS (Engine ACCORDANCE WITH ANA ANNIA INSPECTION AND WAS DETERMINED TO BE IN AIRWORHTY CONDITION. PERTINENT DETAILS OF THE REPAIR AT THIS AGENCY UNDER W' NO.1907-11516 4 11518 DATE 7/9/07 G-FCRC' AKHON/CAL CONFORT NORTH CANTON, OHIO 447 WAR REPAIR STA. GREROSEY (541) 388-0019 Bend, Oregon 97701 Professional Air 63132 Powell Butte Hwy. 21-AUGUST-2007 Engine Model: IO-360-ES S/N: 360038 N192TM W/O: 07-40852 TTSN: 178.3 Tach: 178.3 Complied with a 50 Hour Inspection per manufactures maintenance manual. Changed oil and filter with 8 qts Exxon Elite 20w50 and CH48108-1, inspected filter for contaminants no defects noted. Checked engine controls for condition and proper operation, lubed controls. Checked all engine components for security and condition. Performed operational check for leaks and proper operation, no defects noted. I certify this engine has been inspected in accordance with a 50 Hour Inspection and was determined to be in an airworthy condition. A&P542944943IA Steven R. Hansen Professional Air Diamond. Travel that works for 18011 Professional Air Cessna Bend, Oregon 97701 Professional Air 63132 Powell Butte Hwy. (541)388-001910-SEPTEMBER-2007 S/N: 20-1578 Engine Model: SR20 N192TM W/O: 07-40916 HOBBS: 219.9 TTSN: 225.4 Complied with a 100 Hour Inspection per manufactures maintenance manual. Changed oil and filter with 8 qts Exxon 20w50 and -CH48108-1, inspected filter for contaminants no defects noted.. Checked compression: #1 75/80 #2 72/80 #3 77/80 #4 72/80 #5 74/80 #6 74/80. Cleaned, gapped, tested and rotated spark plugs. Checked magneto to engine timing. Checked engine controls for condition and proper operation, lubed controls. Checked all engine components for security and condition. Performed operational check for leaks and proper operation, no defects noted. I certify this engine has been inspected in accordance with a 100Hour Inspection and was determined to be in an airworthy condition. A&P26703641 Professional Air Micheal H. Brookshire. Travel that works for you Professional Air

Date	Total Tim	The second secon	Since	Engine	Service a	nd Maintenanc	e Kecord
		Last Ov	erhaul	Installations.	nspections, Airv	vorthiness Directives, Spec	cial Inspections
	Hrs. M	in. Hrs.	Min.		and Service Bu		
		63132 Pov			d, Oregon 977		
192TM OBBS: 268.8		del: IO-360E				3-OCT-2007	
			200	07-40996 aintenance manu	al. Changed oil an	d filter with 8 qts Exxon Elite 2	20w50
nd CH48108-1, ir						eck for leaks and proper oper	
efects noted. certify this engine	has been insi	pegfed in accord	lance with	a 50Hour Inspe	ction and was det	termined to be in an airworthy	
ondition.	/			a contour mape	otion and was do		
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&P542944943IA			_		1//		
even R. Hansen rofessional Air		Diamond	Pro	fessional Air			
olessional All		AIRCRAF		vel that works for you	CARMA		
n 14 H, 1, 2, 20			•••		Ces	ssna	
	1	1	■E 52	J			*****
P	ofessional A	Air 63132 F	owell Bu	ıtte Hwy. Be	nd, Oregon 97	701 (541) 388-0019	
N192TM	Engine	Model:IO-360		S/N: 3600	38	27-OCT-2007	
HOBBS: 314	400 Harris Inc	dian nor mo	nufactura	W/O: 07-	anual Checked co	ompression: #1 75/80 #274 /80	#3 74/80
U 4 35 100 UF 35	100 40 70 100 1	Claanad ganna	c hattaat <i>k</i>	nd rotated spark	DIHOS. CHECKEU III	adileto to chighie thing.	The second second
controls for cor	dition and pro	per operation, lu	bed contro	ols. Checked all t	ingine component	s for security and contains.	
I certify this en	ck for leaks ar	nd proper operations	ordance v	vith a 100Hou In	spection and was	determined to be in an airwor	thy
condition.	7						
	1/			9			
A&P54325016	2						
Geoffrey Carso	on '	Diamo	nd . Raft	Professional Air	CVSWV		
Professional A	117	76110		nave biar works for you	The second second	Cessna	
			ļ				
P		Air 63132 P		-	nd, Oregon 977		
N192TM		Model: 10-360	D-ES	S/N: 3600		26-NOV-2007	
HOBBS: 367	.5 5N: .	ob/.5 pection per man	ufactures	W/O: 07-4 maintenance ma		and filter with 8 qts Exxon Elite	20w50
and CH48108-1	, inspected filt	er for contamina	nts no def	ects noted. Che	ked engine contro	Is for condition and proper ope	ration,
lubed controls. operation, no de		ngine componen	ts for secu	irity and condition	. Репогтеа орега	tional check for leaks and prop	er
I certify this eng	ine has been i	inspected in acc	ordance w	ith a 50 Hour Ins	pection and was	determined to be in an airwort	hy
condition.				+			
Shu		fans		000	(440)		
A&P542944943		Diamo	nd.		CVSWI		
Steven R. Hans Professional Air		AIR	CRAFT P	Travel that works for you		Cessna	
		Air 02420 F	DOWN II D.	itto Huni Ro	nd, Oregon 97	701 (541) 388-0019	
	ofessional /	4/r 63132 P Model: 10-36	0-ES	S/N: 3600	38	5-DEC-2007	
N192TM HOBBS: 377	4 TTCN-	376 G		W/O: 07~	11141		
Removed and	eplaced oil co	oler P/N 800093	4. Perform	ned operations c	neck, no defects no	oted.	
		·		+			
A&P3218138	~ //	n:	4	-	CXSWV	Cessna	
Brian Franz		Diámon ARCRA	FT.				
Professional Ai			1	Professional Air Travel that works for you			
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Engine Service and Maintenance Record Time Since Total Time Date Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections. Min. Min. Hrs. Modifications and Service Bulletins Hrs. (541)388-0019Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 11-APRIL-2008 Engine Model: 10-360-ES S/N: 360038 N192TM W/O: 08-41358 HOBBS: 412.7 TTSN: 412.7 Changed oil and filter with 8 qts Exxon Elite 20/50 and CH48108-1, inspected filter for contaminants, no defects noted. **Diamond.** Cessna Ryan G. Foley Professional Air Professional Air Travel that works for you Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 (541) 388-0019 Engine Model: IO-360-ES N192TM 30-JULY-2008 S/N: 360038 HOBBS: 459.5 TTSN: 459.5 W/O: 08-41567 Complied with AD 8-11-18 (effective date 77/08) by performing pressure check on engine exhaust/heat exchanger, no defects noted. Next Due 559.5 Hobbs. Changed oil and filter with 8 qts Exxon Elite 20w50 and CH48108-1, inspected filter for contaminants no defects noted. Oil sample taken. Checked compression: #1 75/80 #2 74/80 #3 75/80 #4 73/80 #5 74/80 #6 74/80. Replaced #3 intake seal gaskets with new. Removed and replaced fuel flow transducer P/N 15415-002. Cleaned, gapped, tested and rotated spark plugs. Checked magneto to engine timing. Checked engine controls for condition and proper operation, lubed controls. Checked all engine components for security and condition. Performed operational check for leaks and proper operation, no defects noted. I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Diamond. Terry J. Bird Professional Air Professional Air Travel that works for you Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 (541)388-0019N192TM Engine Model: IO-360-ES S/N: 360038 05 Nov. 2009 Tach: 537.8 TTSN: 537.8 W/O: 42495 Changed oil and filter with 8 qts. Exxon Elite and CH48108-1. Inspected filter for contaminants; no defects noted.. Checked compression: #1 74 /80 #2 74/80 #3 78/80 #4 74/80 #5 77/80 #6 75/80. Cleaned, gapped, tested and rotated spark plugs. Replaced one spark plug with new. Removed and Replaced L & R Magnetos with new pn 6314 sn 09011265 (r/h) & 09011270 (I/h). Timed magnetos to engine. Removed engine weld mount for repair of damage at Puck pan. Weld mount repaired per AC43.13-1b chap. 4 sect. 5. Reinstalled weld mount onto aircraft and mounted engine. All bolts torqued per AMM. Replaced missing screws on tach generator housing cover. Replaced all exhaust collector to cylinder gaskets. Replaced alternate induction air duct with new. Tightened bolts on exhaust collector to muffler swivel joints. Removed, cleaned, and reinstalled fuel injectors. C/W AD08-11-18 (05-22-08) by inspection and presume check of heat muff and shroud; no defect noted. Next due tach 637. Checked engine controls for condition and proper operation, lubed controls. Checked all engine components for security and condition. Performed operational check for leaks and proper operation, no defects noted. Researched AD's for compliance thru bi-weekly 2009-22. I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in an airworthy condition. Professional Air Professional Air Travel that works for you CRS# YBJR768L WORK ORDER: S20-10-00606 DATE: 03-23-2010 MAKE: Teledyne Continental REG: N192TM 1005A, Sycolin Road S/N: 360038 MODEL: 10-360-ES(6) Leesburg Municipal Airport, Leesburg VA-20175 HOBBS: 609.6 Tel: (703) 771-0188 Fax: (703) 779-0435 Changed oil and filter. Installed P/N CH48108-1 oil filter and 8 quarts of Aeroshell 15W-50 oil. Inspected old filter, no contamination noted. Performed post maintenance systems check of aforementioned repair(s). No defects noted at this time. THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND CURRENT MANUFACTURERS MANUALS AND WAS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE REFERENCED WORK ORDER. SIGNATU

Hrs. Min. Hrs. Min. Hrs. Min. Modifications and Service Bulletins		Date	Total	Time	Time S Last Ov		Engine Service and Maintenance Record
Brought Forward			Hrs.	Min.	Hrs.	Min.	
## HOWARDARCRAFTING ACC SPACE (S. S. S. OLL, REPLACE) 2145 Kelly Island Rd. ALC SPACE (S. RHM 38E - ENGINE (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK RUN	Brough	t Forward		-			
## HOWARDARCRAFTING ACC SPACE (S. S. S. OLL, REPLACE) 2145 Kelly Island Rd. ALC SPACE (S. RHM 38E - ENGINE (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK CHECK (304) 263-2231 CLEANED - BROWN RUN & LEAK RUN	ADR.	16,2010	642	3			CHANGED OIL & DIL FILTER. ADDED
2145 Kelly Island Rd. Marinsburg, WV 25401 CLEANED. BROWN RUN & LEAK CHEEK. (344) 63-2231 ATTSFACTORY. ICRRITHY THAT THIS STANGE METASBEEN INSPECTED. INACCORDANCE WITH A LOCATA. INSPECTION AND WAS DISTRMINED TO BEHYARWORTHY CONDITION. SIGNED. LACK PROPERTY CONDITION. SIGNED. LACK PROPERTY CONDITION. BROWED. LACK PROPERTY CONDITION. WAS DISTRMINED TO BEHYARWORTHY CONDITION. BROWED. LACK PROPERTY CONDITION. BROWED. LACK PROPERTY CONDITION. WAS DISTRMINED TO BEHYARWORTHY CONDITION. BROWED. LACK PROPERTY CONDITION. WAS DISTRMINED TO BEHYARWORTHY CONDITION. BROWED. LACK PROPERTY CONDITION. WAS DISTRMINED TO BEHYARWORTHY CONDITION. WAS DISTRMINED TO	* *				FTIN	`	
CLEARED BROWN R. LARK CHECK		214	5 Kell	y Island	Rd.		
Continental MAC AVIATION, LLC Inspected and replaced air filter. Complied with APD 2008-11-18, no discrepancies. Verified all AID's to date. Post inspection and was determined to be in a accordance with Continental maintenance manual. MAC AVIATION, LLC Inspected and replaced air filter. Complied with APD 2008-11-18, no discrepancies. Verified all AID's to date. Post inspected engine magneto timing, Inspected, cleaned, gapped and rotated spanning and exhausts. Inspected	G		1204) 1	162 221	1		CLEANED, BROUND RUNG LEAK CHECK
Continental 10-360-ES S/N 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 TSN: 721.7 TSN: 721.7 TSN: 721.7 Search plugs. Inspected engine compartment, controls, mounts, and exhausts. Inspection run pan all eask cheek good. T certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. Continental 10-360-ES S/N 360038 Performed annual inspection in accordance with Continental maintenance manual. Checked and adjusted engine compartment, controls, mounts, and exhausts. Inspected regine compartment, controls, mounts, and exhausts. Inspected mag timing. Retorqued valve cover gaskets. Drained oil and replenished with Acroshell 15W50. Removed and replaced oil filter. Removed and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak cheek good. T certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. ARP 2841930 IA			(304)	200°ZZ.)1	x xxx	
Continental 10-360-ES SIN 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 TSN: 721.7 TSN: 721.7 TSN: 721.7 SN: 721.7 TSN: 721.7							
Continental IO-360-ES S/N 360038 Date: 11-20-10 HOBBS: 721.7 TSN: 721.7 Say plugs. Inspected engine compartment, controls, mounts date. Lohn P. Mac AVIATION, LLC 10-360-ES S/N 360038 Date: 10-3							IN ACCORDANCE WITH A 100 HT INSPECTION AND
Continental 10-360-ES S/N 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 Checked and adjusted engine magneto timing. Inspected, cleaned, gapped and rotated spark plugs. Inspected engine compartment, controls, mounts, and exhausts. Inspected mag timing. Retorqued valve cover gaskets. Drained oil and replenished with Aroshell 15W50. Removed and replaced oil filter. Removed and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection and was determined to be in an airworthy condition this date. Lohn P. McLanghan MAC AVIATION, LLC 10116 Kathleen Drive Fort Washington, MD, 20744 Performed annual inspection in accordance with Continental maintenance manual. Continental 10-360-ES S/N 360038 Date: 1-05-12 HOBBS: 875.5 TSN: 87							WAS DETERMINED TO BE IN AIR WORTHY CONDITION.
IO-360-ES S/N 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 Checked and adjusted engine magneto timing. Inspected, cleaned, gapped and rotated Fuel screen for contaminants, none found. Inspected and cleaned fuel nozzles. Engine Compressions: #1-76/80, #2-77/80, #3-77/80, #4-76/80, #5-77/80, #6-76/80, Checked mag timing. Retorqued valve cover gaskets. Drained oil and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak check good. "I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. John P. McLanghan		^					SIGNED Similar CERT. # ASP2258458
IO-360-ES S/N 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 Checked and adjusted engine magneto timing. Inspected, cleaned, gapped and rotated Fuel screen for contaminants, none found. Inspected and cleaned fuel nozzles. Engine Compressions: #1-76/80, #2-77/80, #3-77/80, #4-76/80, #5-77/80, #6-76/80, Checked mag timing. Retorqued valve cover gaskets. Drained oil and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak check good. "I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. John P. McLanghan		V.					
IO-360-ES S/N 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 Checked and adjusted engine magneto timing. Inspected, cleaned, gapped and rotated Fuel screen for contaminants, none found. Inspected and cleaned fuel nozzles. Engine Compressions: #1-76/80, #2-77/80, #3-77/80, #4-76/80, #5-77/80, #6-76/80, Checked mag timing. Retorqued valve cover gaskets. Drained oil and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak check good. "I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. John P. McLanghan							
IO-360-ES S/N 360038 Fort Washington, MD, 20744 Date: 11-20-10 HOBBS: 721.7 Checked and adjusted engine magneto timing. Inspected, cleaned, gapped and rotated Fuel screen for contaminants, none found. Inspected and cleaned fuel nozzles. Engine Compressions: #1-76/80, #2-77/80, #3-77/80, #4-76/80, #5-77/80, #6-76/80, Checked mag timing. Retorqued valve cover gaskets. Drained oil and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak check good. "I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. John P. McLanghan							
Date: 11-20-10 HOBBS: 721.7 TSN: 721.7 TSN: 721.7 TSN: 721.7 TSN: 721.7 Apart plugs. Inspected engine compartment, controls, mounts, and exhausts. Inspected mag timing. Retorqued valve cover gaskets. Drained oil and replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Continental IO-360-ES S/N 360038 Date: 1-05-12 HOBBS: 875.5 TSN: 875.5 TSN: 875.5 TSN: 875.5 TSN: 875.5 TSN: 875.6 TSN: 875.		10 March 2014 2018 2018 2018 2018 2018					
HOBBS: 721.7 TSN: 721.7 TSN: 721.7 Checked and adjusted engine magneto timing. Inspected, cleaned, gapped and rotated spark plugs. Inspected engine compartment, controls, mounts, and exhausts. Inspected Fuel screen for contaminants, none found. Inspected and cleaned fuel nozzles. Engine Compressions: #1-76/80, #2-77/80, #3-77/80, #4-76/80, #5-77/80, #6-76/80. Checked mag timing. Retorqued valve cover gaskets. Drained oil and replaced with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak check good. "I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. Lohn P. McLanghan MAC AVIATION, LLC 10116 Kathleen Drive Fort Washington, MD, 20744 Performed annual inspection in accordance with Continental maintenance manual. Checked and verified engine magneto timing. Inspected, cleaned, gapped and rotated spark plugs. Inspected engine compartment, controls, mounts, and exhausts. Inspected Fuel screen for contaminants, none found. Inspected and cleaned fuel nozzles. Engine Compressions: #1-78/80, #2-75/80, #3-77/80, #3-77/80, #5-76/80, #6-74/80. Replaced air filter. Complied with A/D 2008-11-18, no discrepancies. Verified all A/D's to date. Post inspection run up and leak check good. "I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date. Joha P, McLanghan							
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				was d	etermine	to be in	an airworthy condition this date.
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Date	Tota	I Time	l.	Since Verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward			AND	MAR	330 Aviation Way Frederick, MD 21701
		Date: 8/24/2 Shop Order			; Hobbs: 976.9
	, E	ENGINE LO	G ENTRY:	ia a	
		Fightened a reinstalled b	oth exhaus		safety wire on oil filter. Removed, cleaned and
	•	C. John Co	aluca for L	andmark Avi	iation CRS LC1R291K
			ĄND	MAR	330 Aviation Way Frederick, MD 21701 Solve Street
	n 4	Shop Order Oil and filter o contamin -63/80 5-7	# S05-12-6 changed, s ates found. 0/80 6-61/6	61283 serviced with Compressi 30 (master o	Aeroshell 15W50. Old filter cut open and inspected, ion checked as follows: 1-68/80 2-65/80 3-69/80 orifice reads 44/80). Removed mags p/n 6314 s/n's
	D O O O O O O O O O O O O O O O O O O O	9011265 ar 3&N Aircraft erformed for umber one leasured ch rell below 50 induction tub	nd 0901127 t on their winder system a alternator r hafe on air in 0% therefore. Replace	ork order numbers/set-up a nounting brainfold re no action ad missing s	talled same after 500 hour inspection performed by mber 69201. Routed and secured mag harness. and adjusted all parameters as required. Installed new acket. Fabricated and installed patch on right baffle. ad caused by #1 fuel injector line, found damage to be taken at this time. Replaced number 3 cylinder springs and fastners on cylinder number 2 and 4 baffle.
	ir	spection, respection. In a spection is a spection is a spection. It is a spection in a spection is a spection in a spection is a specific point of the specific point of the spection is a specific point of the specific point of the spection is a specific point of the specific	all rocker co esults repor Post mainte een inspec return to s	ted to owner enance ground ted in accord ervice.	CW ICA for TCM cylinders including borescope r. CW ICA for Position tuned nozzles by cleaning and nd run satisfactory, no leaks noted. I certify that this dance with a 100 hour inspection and has been
			Jan Juca for La		ation CRS LC1R291K
3/12/10					DEAGAMEN AND A TOTAL
		•			WITH Commen THE MOTORS JUSTELLOW PROCEDURES
					mo Gar 43. App. D. Pertorneso Bores cope inspersion
		- 4	3		IN Accordance with Commental notals insperma
		E.O	3 3		PROCESS NO-TAMES FORMO-AM CHECKS ROLMAL - USING
		ii ii	<u> </u>		RF SISTEM LAB US BOLESCOPE. Performed compression
		§3	har		CHECK WING MISTER ONIFICE COMPRISION TESTER-
		W. L.	est		1/57,2/59,3/67,7/65,5/10,4/58. ML CHECKS MOGNAL.
		E S	2 5 8		DRAMUED DU DEDINAGED DU FILL LA TELLES MORMAI.
		8 2	8 8 4		MANNER ON, REPURCED ON FILTER AFTER DENING AND INSPERSON NOTHOUSE FOURD OR MEMOR - REPIRESO ON
		Via	@		WITH Aeroshell 15W5W. TMSPETTED Wellines, MAGS, JOHNIN
		Ö.	B. S.C.		LEADS. ALL NORMAL. REMOVED AND REPLACED ALL SPANKALLE
		.co	CO)	WITH APPROPRETS TEMPEST SPANK DWG
		5	3 2.		Continue
6				, ,	

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
rought Forward		-			I CENTRY THIS entine HAS Been inspected
3/14/14					in Accordance with an Annual inspection and
111				H N DIES	is perkingings to Be in ADENIONTHY LOUDING
					(A) 1 3032209 AHP/JA-
					Finfrock Aviation & Avionics Syc. at Potomac Airfield VKX
					email: charlesfinfrock@gmail.com
					phone: (703)405-4764 online: www.finfrockaviation.com
					OUITIG: WWW.THITH Acted A 18811 Acted
	-				330 Aviation Way
			LAN	DMA	Frederick, MD 21701 301-662-8156
			AVI	A 1 1 (CRS LC1R291K
		Date: 8/29	9/2014; Airo	craft: N192T	M
		Shop Orde	r #: S05-14	4-61780	aned, inspected and reinstalled. Reset mag timing to
		specs. Re	moved nur	mber 6 cylind	der s/n AC05HB334 and installed cylinder p/n 658190A1 red by Continental Motors, Inc on their work order number
		CS-1344 u	sing new s	eals and ga	skets as required. Installed one heli-coil and exhaust
		performed	initial run i	n accordance	d filter changed, serviced with Aeroshell 100 mineral and ———————————————————————————————————
	-		des	ih	
		C. John &			viation CRS LC1R291K
		1			000 A: - 114 114
					330 Aviation Way Frederick, MD 21701
			LAN	DMAF	301-662-8156 N CRS LC1R291K
		Date: 10/0			TM; Hobbs: 1293.3
	5	ENGINE L			
					eck/set up and found all parameters within limits per
					ent and performed post maintenance ground run.
			de	/ /_	
		C. John 🕊	laluca for	Landmark A	viation CRS LC1R291K
91		1 . 1-7 -	111	_	Draconant America Truckeron I. Flat I Gad 12 . A
4-12-15	Hos	61/35	1.7		PERFORMED ANNUAL INSPECTION I /A/W FAR +3 AMD AND
					CONTINENTAL MAINTENANCE MANAIFOR FOR 360 SERIES ENGI
					Compression CHECK AS Follows 1-72,2-66,3-70,4-68
					5-66,6-72/80 MASTER 42. REMOVED SPANK DUGS,
G G = = = (Clemed, INSPECIED, GARDED RÉINSPALLED. IN SPECIES
					HOSES, DUCTS, LAGGES, RODENDS FOR FUNCTION AND INTEGRI
					CHEAMEN ON COOLER LINES AMP CYLINDER FINS WOTH AIR
					INSPECTED BAFFILE AND SEALS. IN SPECTED IN DUCTION +
					EXHAUST SYSTEM FOR LEAKES NONE FOURD - CHECKED
				l	MAG MAG CRAPS, MAG-TIMMG, COULD SAPS FRONDY.

Date	Total	Time	No. of the last of	Since verhaul	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,
	Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins
3rought Forward		-			
CONT->	135	7.4			CHECKED MOUNTS, ISOLATION DAMPENS, CHECKED GOOD
					REMOVED FURN NOZZEZES AND CLEANED AS DER
					Conmember BWGNE GUIDEUNES. INSTAURA FUEL NOON
infrock Avis	tion 6				and personnes Fusi System VEAK CHECK. NO LEAKS
	A	Potom	oc Airfiel	VC.	FREND-PERFORMED ENGINE RUN-UP AND MAG OHEGK
CHILD IN CH		Trovelo	Derman .		THE OCCUPANT AND ADDRESS OF A ALL DIRECTOR STORY
phone: (ww.fini	rockay	iation c	om	I CERTIFY THIS ENCINE HAS BEEN INSPECTED ITAL
					AND WORTH AT THIS TIME Affin THE
					ATR WORTH AT THIS TIME . CAPPART
					3032209 A00/2A
Bill Lake Line	Marie P				
		1 2 2 3 3		The Real Property lies	
		W-W-			
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	TOTAL STATE				
			Harris D.		
	The state of	325			

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US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
1	For FAA Use Only

(Airframe, Powerplant, Propeller, or Appliance) INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a)) Nationality and Registration Mark Serial No. N192TM 1578 1. Aircraft Make Series Model Cirrus Design Corp. SR20 Name (As shown on registration certificate) Address (As shown on registration certificate) Address P.O. Box 263 Premier Aviation LLC 2. Owner State OR City Bend Country USA 97709-0263 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Make Model Serial No. (As described in Item 1 above) AIRFRAME POWERPLANT PROPELLER Гуре APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Terry J. Bird U. S. Certificated Mechanic Manufacturer Address P.O. Box 8189 Foreign Certificated Mechanic C. Certificate No. Bend State OR Certificated Repair Station City AP541862372 Country USA 97708-8189 Certificated Maintenance Organization Zip I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Signature/Date of Authorized Individual Extended range fuel Terry J. Bird 12 Nov. 2009 per 14 CFR Part 43 App. B 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ✓ Approved Rejected Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization Repair Station FAA Designee Signature/Date of Authorized Individual Certificate or Designation No. Terry J. Bird 12 Nov 2009 ---AP541862372IA

		N192TM	12 Nov. 2009	
8. Description of Work Accomplished		Nationality and Regis	tration Mark Date	
Repaired Engine weld mount a was completed to Specification	ssembly by welding MIL-STD-2219, AW	patchs to puck pan per	AC 43.13-1B Section 5. Weld	ding
		END		
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Authority/Country:				3. Form Tracking Number:
FAA/United States	E CER	LEA		1075
4. Organization Name and Address:	-	K WOK L HINESS AF	PROVALIAG	5. Work Order/Contract/Invoice
Continental Motors, Inc.	Factory Service Center 8600 County Road 32	Fairho	pe AL 36532	umber:
6. Item: 7. Description:	8. Part Number:	9. Quantity:	10. Se	11. Status/Work:
1 Cylinder & Valve Assy	658190A1		AC14HA671	Repaired
12. Remarks: Details of cylinder assy repair	are on under work order #CS-1344. M	lanual X30594 Re	vision dated August, 201	2011 used for reference.
Disassembled, cleaned, and ex Customer decided to replace constandard size ring set to piston	evaluated one (1) cylinder / valve assem cylinder with new SN AC14HA671. Clean on and placed in cylinder barrel of new cylinder.	nbly SN AC05HB3 aned and evaluate	34. Found cylinder to be d piston and piston pin.	Polished piston pin. Fit new
Cymruci gasket kit.				
13a. Certifies the items identified above	e were manufactured in conformity to:	14a. 🗷 14 C	FR 43.9 Return to Service	☐ Other regulation specified in Block 12
☐ Approved design data and are ☐ Non-approved design data spe	are in a condition for safe operation. specified in Block 12.	Certifies and described Federal J	that unless otherwise specified in Block 12, ribed in Block 12 was accomplished in accordegulations, part 43 and in respect to that vervice.	n Block 12, the work identified in Block 11 hed in accordance with Title 14, Code of et to that work, the items are approved for
13b. Authorized Signature:	13c. Approval/Authorization	No.: 14b. Authoriz	ed Signature:	14c. Approval/Certificate No.: 9CER853B
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy): 26 AUG 2014	14d. Name (T Teresa	yped or Printed): Ballard	14e. Date (dd/mmm/yyyy): 26 AUG 2014
	User/Insta	aller Responsibilities	es	
It is important to understand that the ex	xistence of this document alone does not automati	C	to ins	propeller/article.
Where the user/installer performs work in a Block 1, it is essential that the user/installer specified in Block 1.	work in accordance with the national regulations of an installer ensures that his/her airworthiness authority	airworthiness autho accepts aircraft engin	rity different than the airworthiness autic(s)/propeller(s)/article(s) from the airw	ess authority of the country specified in ne airworthiness authority of the country
Statements in Blocks 13a and 14a do not	t constitute installation certification. In all cases	aircraft maintenance	ecords must contain an installation	tion certification issued in accordance with the

NSN: 0052-00-012-9005

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Authority/Coun	try: A	THORIZED RELE	ASE CERTIFI	CATE		3. Form	Tracking Number:
FAA/United Sta	ales	FAA FORM 8130-3, AIRWORT	HINESS APPROVAL TA	ଜ			357751
4. Organization Name	e and Address				PC #508	5. Work Ord	er/Contract/Invoice Number:
Co	ontinental Motors, Inc. 2039 Broad Str	reet, Mobile, Alabama 36615				419354	0000153922
6. Item:	7. Description	8. Part Number:	9. Qu	antity:	10. Serial Number:	_	I. Status/Work:
	CYLINDER & VALVE ASSEMBL	LY 658190A1		-	See Block	12	NEW
12 Remarks: AIRWORTHI	NESS APPROVAL						
Serial/Batch Number(s): Serial AC14HA671	Description CYLINDER & VAL						
13a. Certifies the items i	identified above were manufactured in conformity design data and are in condition for safe operation.	y to:		43.9 Return to Service therwised specified in Bi	, F	a specified in Bi	
n-appro	ved design data specified in Block 12.		Inch 2004	service.	Ş		
13b. Authorized Signatur	Samuel & which	13c. Approval/Authorization No.: DMIR-511010-CE	Ab. Authorized Signature:				
13d. Name (Typed or Pr	rinted):	13e. Date (dd/mmm/yyyy): 25/Aug/2014	4d Name (Typed or Printed):				
		User/Installer	ler Respo			. [
It is important to u	nderstand that the existence of this	document alone does not automatically	constitute authority	install the aircraft	engine/propeller/ai	rticle.	
Where the user/in: Block 1, it is essen specified in Block	staller performs work in accordance w tial that the user/installer ensures that 1.	ith the national regulations of ar his/her airworthiness authority	worthiness author pts aircraft engin	ity different than the airwe(s)/propeller(s)/article(s)	worthiness authori) from the airworth	ty of the cou	ntry specified in ity of the country
Statements in Blocks	13a and 14a do not constitute ins	tallation certification. In all cases, air	craft maintenance records	must contain an	installation certifica	ation issued i	n accordance with the

NSN-0052-00-012-9005

Statements in Blocks 13a and 14a do not constitute national regulations by the user/installer before the

aircraft may be flown.

AD NOTES COMPLIANCE RECORD

Airframe - Cimus - SR20

S/N 1578

Engine - Teledyne Continental - IO-360-ES

S/N 360038

Propeller - Hartzell - PHC-J3YF-1

S/N FP1312B

AD	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
77-12-05 R2	Prop blade				х		
89-22-05	Propeller hub failure				х		
93-05-06	ACS ignition switches		2000 MR. LUBE / ENSP.		х		
93-16-14	Prop hub cracks				х		
94-17-13	Prop hub failure				х		
97-26-17	CORRECTION - Crankshaft fatigue cracks				х		
PL2000-08-51	Crankshaft connecting rod journal fracture				х		, 3
2008-11-18	To detect and correct leaks in the exhaust system		INSP. & LEAR TEST		х		
2008-13-28	To prevent failure of the propeller hub		O/W/A		х		
2009-24-51	To address rapid wear on the face of hydraulic lifters		D/N/A		х		
2009-24-52	To address rapid wear on the face of hydraulic lifters		0/~/A		х		