The Standard

ENGINE LOG

ASA-SE-2

:CORDING ACH ME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alteratio** Entries must be endorsed with Name, Rating and Certificate Number o Technician or Repair Facility. (*See* back pages for other specific entrie

Arizona Air-Craftsman

(928) 717-1680
Fax # (928) 717-0073
2020 Clubhouse Drive - Prescott, AZ 86301-6129

MAKE CONTINENTAL **MODEL** IO-470-S
S/N CS109205-73-S-R **DATE** 04-29-09
TSMOH 51.13 **TOTAL TIME** 1811.35

Arizona Air-Craftsman certifies that this engine has been disassembled, inspected, and repaired in accordance with recommended procedures and all clearances and tolerances are within specified limits. Procedures and limits used are as contained in engine manufacturer=s overhaul manual number X30588A. A listing of applicable airworthiness directives factory bulletins, letters, and instructions complied with are listed in aircraft records. The engine identified above was repaired and inspected in accordance with current regulation o the Federal Aviation Administration and is approved for return to service. Pertinent details o the repair are on file at this facility under work order number 19503.

Signed Jay A. Kerger
JAY A. KERGER
A&P 526683969

AR / TE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and** Entries must be endorsed with Name, Rating and Certificate Technician or Repair Facility (See back pages for other sp

I0-470-S
TT: 1811.35

SN: CS109205-73-S-R WO: 19503 DATE: 04-29-09
TSMOH: 51.13

Engine disassembled, cleaned and inspected for prop strike SB96-11B. Ferrous parts M.P.I
Non-ferrous parts zygloed. C/W MSB96-10A crankshaft ultrasonic inspected. Replaced
Counterweigh bushings, pins & circlips. Replaced crankshaft gear SB08-12. Replaced
Bearings, rod bolts and nuts. Replaced #5 cylinder with serviceable cylinder. Honed all
Cylinders and ring finished. Replaced pistons with serviceable pistons. Fit new rings and
Replaced piston pins. Replaced rocker arm bushings (SB97-11) and rocker shafts.
Replaced all lifters. C/W 500 hour inspection on magnetos (see Maintenance Releases).
Replaced all gaskets, seals and hoses. See back of logbook for detailed parts list.
Repairs IAW TCM Overhaul Manual PN: X30588A.

Jay A. Kerger

Jay A. Kerger

A&P 526683969
Arizona Air-Craftsman

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I0-470-S
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WO: 19503

DATE: 04-29-09

The following were N/A:

72-20-02 R3	73-07-04	74-26-09	78-09-07 R3	82-20-01
88-03-06	91-19-03	93-08-17	93-10-02	94-06-09
94-14-12	95-21-15	96-12-07	PL97-15-01	97-21-02
PL98-01-08	98-17-11	PL99-09-17	99-19-01	PL2000-08-51
2000-23-21				

The following were C/W or P/C/W:

AD No's:	70-14-07 R2	79-05-09	94-01-03 R2	96-12-22
	2005-12-06			
	MSB96-10A	SB08-12	SB96-11B	MSB94-8C
	SB96-7C	SB00-3A	SID97-4C	MSB645
	639	M92-9	M92-6	M91-9
	M84-8	M81-25		

A&P 526683969
Arizona Air-Craftsman

Jay A. Kerger

YEAR 2009 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterati** Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entr
5-22	533.09		1811.35	Install engine N9790X C-210 SN 210-58090 after repairs. Se with 12 QTS A/S 100 mineral. Run ck's satisfactory - Installa I/A/W Cessna S/M. WO 19499 Arizona Air-Craftsman Prescott Az. Jayce K A&P 526683
9-12-13	536.21		1814.47	SMOH 54.25
	Performed 100 Hrs Inspection IAW FAR 91.409 43 appendix "D" as applicable to this engine Changed oil and filter, added 11 qts of aeroshell W100 50 wt Mineral oil, comp. checked OK ① 78/80 ② 79/80 ③ 78/80 ④ 79/80 ⑤ 76/80 ⑥ 78/80 Checked mag timing, Cleaned Fuel Screens ground run up no oil leaks noted			next page

YEAR 2013 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alte** Entries must be endorsed with Name, Rating and Certificate Num Technician or Repair Facility. (*See* back pages for other specific
	536.21		1814.47	SMOH 54.25
	Review	AD	note for compliance	
AD 96-12-22	oil Filter adapter c/w new oil Filter Installed			
	no oil	Leaks	noted on adapter	next due at oil Fi
AD 2005-12-06	Mag Impulse coupling assy P/c/w at tach 533.09			
	due at	1033.09		
		I certify that this Engine has been inspected in accordance with a 100 Hrs inspection and was determined to be in airworthy condition. Alberto Marin AP3670711 IA Alberto marin		
12/01/15	4027.04	ACTT,	ETT 1816.1	SMOH 55.89 accomplished 100hR insp This comp. chk 1-12, 2-74, 3-78, 4-76 6-72 80, mag Timing chk'd, oil

YEAR 2015 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
10/08/15				changed, 12 QTS 50W non-detergent added, mufflers Removed, sent To Knisley FOR Repair, Reinstalled Repaired mufflers with new hardware, Tailpipes sent To Knisley FOR Repair Reinstalled Repaired Tailpipes with new hardware, muffler and Tailpipe Hangars Repaired by Knisley and Reinstall with newhardware, scat ducting Replaced with new, Throttle & mixture cables mis-aligned, Found bracket on engine upside down, installed correctly, contro now align correctly, Rigged both grom For ign leads all Replaced(6), genera Removed & Replaced with Plane Power ALT Kit per STC, 337 accomplished, see AC Log, EGT & cyl. head Temps installed with JPI eng monitor, with FF se Air Frame Log STC & 337.

YEAR 2015 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/08/15	4027:04	ETT SMOH	1816:1 55:89	engine cleaned, controls Lube, Runup chks OK, no leaks. eng oil pressure adjusted higher, Replaced oil press. spring and plunger P/N 63168 and 634150 P/N Removed Hyd pump and had Rebuilt by aircraft acc. of Oklahoma, Reinstal and chkd ok on Runup and oil press. adjusted.

I certify that this ~~aircraft~~/engine has been inspected in accordance with an ~~Annual~~/100 hour inspection and was determined to be in an airworthy condition.

Jerome R Machon
IA 1594711

N9790X ENGINE FEB 10, 2017

CONTINENTAL IO-470-S SERIAL NUMBER: CS109205-73-S-R
AFTT:4073.0 ETT:1862.06 SMOH: 101.85

COMPLIED WITH 100 HOUR INSPECTION IAW 14 CFR PART 43 APPENDIX D.

CHECKED CYLINDER COMPRESSIONS AND ARE #1:72/80 #2:75/80 #3:77/80 #4:77/80 #5:70/80 #6:72/80.

ADJUSTED MAGNETO TIMING ON RIGHT MAGNETO. TO 20 DEGREES BTDC.
TIGHTENED VALVE COVER SCREWS.
GROUND RAN ENGINE NO DEFECTS NOTED.

SEE AD LIST FOR COMPLIANCE. NO ADS DUE AT THIS TIME.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

J DesRoches 2799435IA

Inspections, Te
ndorsed with Name,
pair Facility. (See bac

YEAR 2018 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Al** Entries must be endorsed with Name, Rating and Certificate N Technician or Repair Facility. (*See* back pages for other speci
8-23-18	4084		1873.06	SMOH 112.85
	Performed 100 HRS Inspection I/A/W FAR 43 app and was determined to be in airworthy condition comp. check OK cyl. #1 78/80 ② 76/80 ③ 78/80 ④ 78/80 ⑤ 76/80, visual Inspection Engine Installation, con and security.			
AD 96-12-22	Oil Filter adapter A/C/W visual Insp. no discrep noted due Insp. at the next oil Filter change.			
AD 2005-12-06	Mag Impulse Coupling A/C/W due at 500 HRS e			
			I certify that this Engine [redacted] Inspected in accordance with a 100 HRS inspection and was determined to be in airworthy condition Alberto Marin 3670781 IA alberto marin	

YEAR 2019 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
4-3-19	4094		1883.0	Installed New plugs & Both wiring Harness. Changed oil Filter Due to unknown condition. Timothy Gilbert A&P 2608
5-4-19	4114.0		1903.0	oil & Filter changed. AD 96-12-22 oil filter adapter visually Inspected & no discrepancies noted. Due Inspect at next oil change. oil pressure adj'd Spring Replaced: oil pressure normal ops check within limits. A+P 26

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Altera** Entries must be endorsed with Name, Rating and Certificate Numbe Technician or Repair Facility. (*See* back pages for other specific ent

ENGINE MODEL: IO-470-S
ENGINE S/N:
REG. NO: N9790X
WORK ORDER: 2263

CFD Integration, LLC dba CFDI Aero

5088 Sabre Lane
Denton, TX 76207
Phone: 940-442-5232

DATE: 8/13/2
A/C TSN: 416
ENG TT: 195
TSMOH: 19
TACH: 416

Engine Entries

(2) Removed and installed fuel system after overhaul performed by Aircraft Carburetor and Injection Services of Texas. (CRS IOFR546Y) See work order dated 07/25/2019. Set... (3) Removed oil pump housing and pump. Installed new customer supplied o pump housing after assembled by America's Aircraft Engines, Inc. See work order dated 07/23/2019 using all new gaskets and seals. Installed and torqued in accordance with current manufacturers instructions and bulletins.... (5) Removed right and left magnetos. Installed overhauled magnetos P/N 10-79020-10 serial numbers H-04600 and S/N H02481 with new gaskets and time to engine.... (8) Installed external gauges. Set un-metered engine fuel pressures in accordance with TCM SID 97-3E. Removed external gauges. Leak checked good.

DATE: 8/13/2019 SIGNED: Work Order:

Tim Fellegy, A&P: IA 2834940

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Date 10/15/2019
Tach: 4163
TT: 1952.06
TSMOH: 191.85

Performed an annual inspection using an approved checklist, meeting the requirements of FAR43.13 Appendix D. Compression test#1.75 #2. 75 #3. 72 #4,75 #5.75 #6. 75 all over 80.Cut open oil filter and inspected found ok. filter. Engine run up and test satisfactory..AD'S checked through10/15/2019. See ad list for future compliance dates and times.
I certify this A/C has been inspected in accordance with an annual inspection and determined to be in an airworthy condition at this time.

Michael C. Waynen
A&p3208602IA

YEAR 2020 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
2/20				SEL-74-06 IGNition/Slick Magnetos Does not Apply to this Airplane.
				[signature] A&P 2608535
2/20				Owner advisory SEB-70A-R4 Does not apply as Elevator + Trim Tab does not have foam. Inspection is complete.
				[signature] A&P 2608535

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alter Entries must be endorsed with Name, Rating and Certificate Numb Technician or Repair Facility. (See back pages for other specific e

Date 11/03/2020
Tach: 4205
TT: 1994
TSMOH: 233.79

Performed an annual inspection using an approved checklist, meeting the requirements of FAR43.13 Appendix D. Compression test#1.72 #2. 77 #3. 75 #4,76#5.72 #6. 68 all over 80.Cut open oil filter and inspected found ok. filter. Replace alternator drive pulley seal.. Engine run up and test satisfactory. AD checked through11/03/2020. See ad list for future compliance dates and times.
I certify this A/C has been inspected in accordance with an annual inspection and determined to be in a airworthy condition at this time.

Michael C. Waynen
A&p3208602IA

YEAR 2022 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterati** Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entr

ENGINE MODEL: IO-470-S
ENGINE S/N:
REG. NO: N9790X
WORK ORDER: 3016

CFD Integration, LLC dba CFDI Aero

5088 Sabre Lane
Denton, TX 76207
Phone: 940-442-5232

DATE: 5/17/2022
A/C TSN: 4245
ENG TT: 2034.06
TSMOH: 273.85
TACH: 4245

Engine Entries

(1) Replaced Oil pressure valve housing p/n 642224, plunger p/n 642238, and washer assembly p/n 631653. Test ran engine. Oil pressure good at this time.

DATE: 5/17/2022 SIGNED: Work Order: 3016

Tim Fellegy, A&P: IA 2834940 Printed by EBis 3 (datcomedia.com)

9-16-22	4247		2036.5	Removed + Replaced Vernath part# 639304. 2pcs V's Good A+P 2608
9-27-22	4247		2036.5	Replaced Concord Battery IA Service Manual. A+P 26085

YEAR 2022/2023 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
11-22-22	4252		2037.0	Removed + Replace oil cooler with a new Engine oil cooler part # 800068, From Aero classics (Pacific oil coolers) Installed Gasket from Superior part # SA537282. All IAW Cessna Servi manual. Test Flown + op's checks g
				[signature] A&P 2608535

Date 01/11/2023
Tach: 4258
TT: 2047
TSMOH: 287.79

Performed an annual inspection using an approved checklist, meeting the requirements of FAR43.13 Appendix D. Compression test#1.77 #2. 77 #3. 77 #4,76 #5.76 #6. 77 all over 80.Cut open oil filter and inspected found ok. filter. Engine run up and test satisfactory. AD'S checked through 01/11/2023. See ad list for future compliance dates and times.

I certify this Engine has been inspected in accordance with an annual inspection and determined to be in an airworthy condition at this time.

Michael C. Waynen
A&p3208602IA

YEAR 2023 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
8 6-24-23	4260.8		2049.8	Engine Baffling System completely checked + Rubber Baffle Replaced. [signature] A&P 2608535
09-13-23	4261.6		2050.6	Engine oil Bypass Valve Seat Lapped. oil plug + pin, Spring + Valve Replaced with new. ops ✓ good. [signature] A&P 2608535

Date 02/09/2024
Tach: 4276
TT: 2065
TSMOH: 304.79

Performed an annual inspection using an approved checklist, meeting the requirements of FAR43.13 Appendix D. Compression test#1.74 #2.76 #3. 71 #4.70 #5.74 #6.75 all over 80.Cut open oil filter and inspected found ok. filter. Replaced oil filter ch48108 installed and 10 qts aeroshell 100 ahsless disp. Engine run up and test satisfactory. AD'S checked through 02/09/2024. See ad list for future compliance dates and times.

I certify this Engine has been inspected in accordance with an annual inspection and determined to be in airworthy condition at this time.

Michael C. Waynen
A&p32086021A