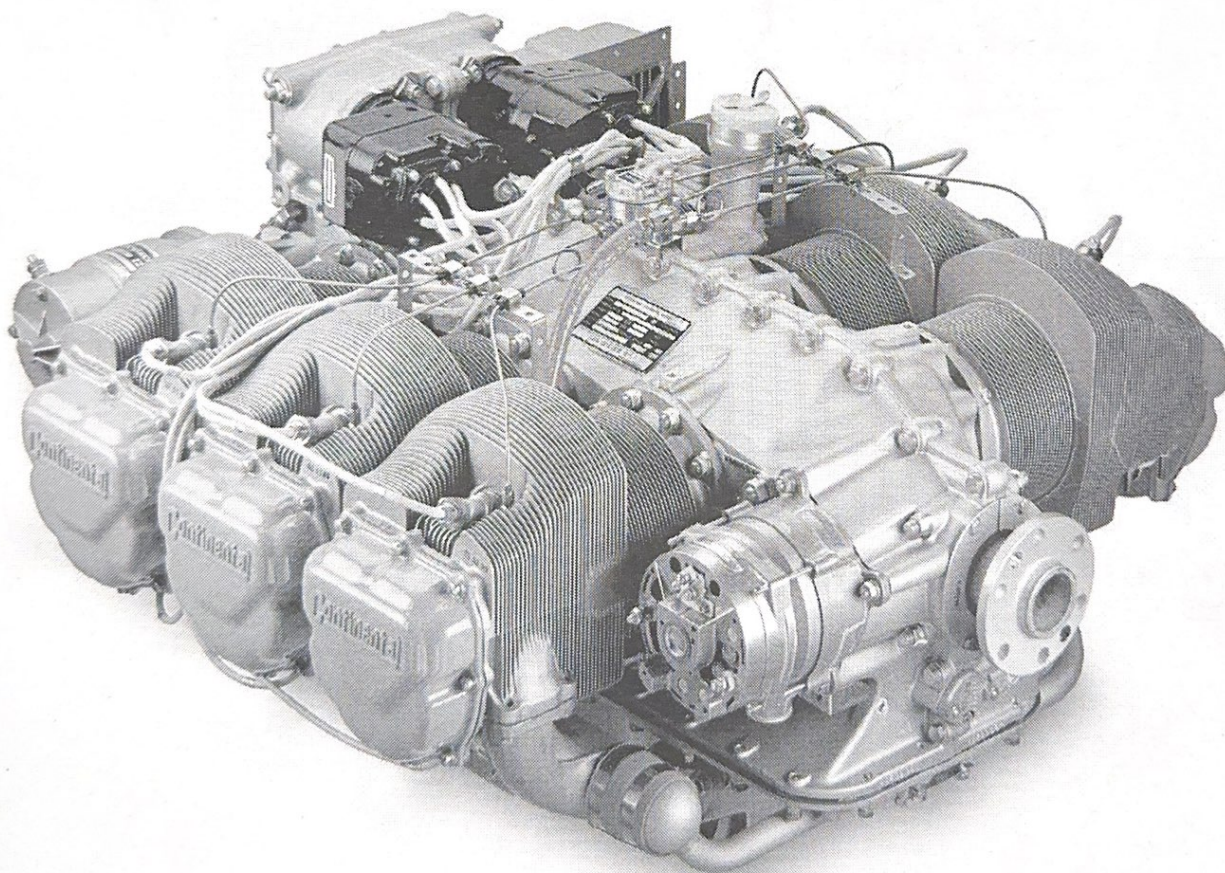


USE ONLY OIL FILTERS THAT INCORPORATE
INTERNAL RELIEF CAPABILITY

0705191-4

ENGINE LOG BOOK



N 9496M



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book 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.



This engine model TSI0520H5, Serial No. 217492-R was manufactured on 06/19/2006 by Teledyne Continental Motors, Inc. A Teledyne Technologies Company in accordance with the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine

Printed: 06/22/2006
This engine model TSI0520H5, Serial No. 217492-R was manufactured on 06/19/2006 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 changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



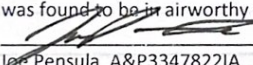
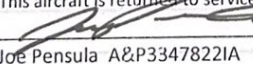
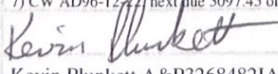
TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
9-22-06	24	50.50	TAC		INSTALLED INTO CESSNA T210K
	47	35.1	TT A/F		S# T21059396 N9496M. INSTALLED
	00		00		WITH NEW MOUNTS/BOLTS/LOCKS, EXCHANGE
					O-H GOV# 290D4K/T2 S# 900199 (RS# YWWR3144
					WO# 19940 8-2-06) O-H TURBO #406610-9005 S# GHR00370 WO#
					34776 7-24-06) O-H VAC PUMP G455RX S# 6821 (RS# TMZR1921
					WO# 53075R 7-20-02) WASTEGATE, CONTROLLER AND LINES ALL
					FLUSHED, ALTERNATOR AND HYDRAULIC PUMP INSTALLED AS
					IS. CW AD 71-09-07R1 AT REINSTALLATION OF EXHAUST, DUE
					AGAIN AT 2500.50 TAC. INSTALL OIL FILTER ADAPTER IAW
					AD 96-12-22 AND FILTER CH48108-1. AD RECOMPLIANCE DUE
					AT OIL FILTER CHANGE OR 2550.5 TAC MAX. SERVICED
					WITH N.D. A.S. 50WT AND PRE-OIL. GROUND RUNS OK
					NO FUEL/OIL LEAKS. SET 1000 RPM (MIXTURE.
					I CERTIFY THAT THIS ENGINE HAS BEEN
					INSPECTED IN ACCORDANCE WITH ANNUAL
					INSPECTION AND HAS BEEN DETERMINED TO
					BE IN AIRWORTHY CONDITION.
					DATE 9-22-06 TOTAL TIME 0.0
					<i>Subitman</i>
					ASP# 536726276
9-29-06	24	70.71	TAC:		
			20	2	CHANGE OIL FILTER CH48108-1 OLD FILTER
					INSP OK - NORMAL DEPOSITS - CW AD 96-12-22
					BY INSP TORQUE STRIKE INDICAT, NO LEAKS
					RUN UP OK NO LEAKS <i>Subitman</i> ASP536726276
10-6-06	24	75.40	TAC		
			24	9	INSTALL NEW TURBO CHECK VALVES
					(BOTH). WASH DOWN RUN UP OK NO LEAKS
					<i>Subitman</i> ASP536726276
10-23-06	24	84.75	TAC:		INSTALL LOWER ALTERNATOR - TEST OK -
					<i>Subitman</i> ASP536726276
10-26-06	24	86.57	TAC:		INSTALL O-H ALTERNATOR P# D0FF103005
					S# G071173 (RS# UT2R226L WO# M239670
					DATE 8-1-06) TEST OK. <i>Subitman</i> ASP536726276

3

Date	Total Time		Time Since Last Overhaul		
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
					Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins 05/20/2013 N9496M TCMTSIO-520-H S?N:217492-R TT:2885.34 ETIS:434.84 Performed an Annual Inspection IAW N.W. Aviation Service LLC 100Hr/ Annual Inspection Form. The following maintenance was performed. Drained oil, Removed filter and inspected element, no contamination noted. Replaced filter with new filter p/n:AA48108-2 and serviced engine with 10 qts Aeroshell W-100. Cleaned gapped and tested all spark plugs. Performed compression check. #1:66/80. #2:63/80. #3:69/80. #4:64/80. #5:63/80. #6:69/80. Checked magneto timing. Repaired #2 Cylinder bottom high tension lead. Removed oil cooler due to damage on corner from scat tube clamp. Reinstalled Overhauled oil cooler. Removed Exhaust heat exchanger due to cracks. Installed Overhauled unit from Knisley Welding. Checked AD's thru 2013-10. No new AD's. See airframe log for compliance. Test ran engine and checked for leaks, none noted. All ops checks satisfactory. I certify this Engine has been inspected IAW an Annual Inspection and was found to be in airworthy condition.  Joe Pensula A&P3347822IA N.W. Aviation Services LLC 7600 Terminal St. SW Turnwater, Wa 98501 360-292-7220
					08/15/2013 N9496M Cessna T210K S/N:21059396 TT:2941.83 Cleaned fittings at turbo oil drain, ran engine and checked for leaks. No leaks showing at this time. Compression checked engine. #1:70/80. #2:68/80. #3:75/80. #4:68/80. #5:69/80. #6:69/80. Replaced all spark plugs with new Tempest plugs P/N:URHB32E. Enlarged exhaust exit hole in cowl to alleviate chafing on exhaust and cowl. This aircraft is returned to service in respect to the above services performed.  Joe Pensula A&P3347822IA N.W. Aviation Service LLC. 360-292-7220
					N9496M Date: 06/18/2014 Tach: 2997.45 Performed Annual Inspection. 1) Compression check: 1)70/80 2)69/80 3)76/80 4)68/80 5)70/80 6)72/80. 2) Drained oil, collected oil sample, cut and inspected oil filter. Installed new CH48108-1 oil filter. Serviced engine with Phillips X/C 20W50 oil. 3) Checked magneto timing. 4) Cleaned, gapped rotated and reinstalled spark plugs with new M674 gaskets. 5) Cleaned fuel screens and injectors. Replaced seals. 6) Replaced air filter with new BA-2405 element. 7) CW AD96-12-27 next due 3097.45 or filter change.  Kevin Plunkett A&P3268482IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
07/02/2015	581	36			Tach: 3031.86 AFTT: 5316.46 Performed Annual Inspection 1) Compression check: 1-72/80 2-71/80 3-76/80 4-70/80 5-72/80 6-70/80. 2) Checked magneto timing. 3) Cleaned, gapped rotated and reinstalled sparkplugs with new M674 gaskets. 4) Cleaned fuel screens and injectors. Replaced seals. 5) C/W AD96-12-22, next due 3031.86 or oil filter change. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Kevin Plunkett AIP 3268482IA.
					<div style="border: 1px solid black; padding: 5px;"> N9496M Date: 06/18/2017 Tach: 3057.22 Performed Annual Inspection. 1) Compression check: 1)70/80 2)74/80 3)72/80 4)73/80 5)70/80 6)72/80. 2) Drained oil, collected oil sample, cut and inspected oil filter. Installed new CH48108-1 oil filter. Serviced engine with Phillips X/C 20W50 oil. 3) Checked magneto timing. 4) Cleaned, gapped rotated and reinstalled spark plugs with new M674 gaskets. 5) Cleaned fuel screens and injectors. Replaced seals. 6) Replaced air filter with new BA-2405 element. 7) CW AD96-12-22, next due 3157.22 or filter change. Kevin Plunkett A&P3268482IA Kevin Plunkett </div>
03/01/2018	624	93	624	93	Tach: 3075.43 Tach: 3075.43 Performed Annual Inspection. Compression check Results: 1)72/80 2)75/80 3)72/80 4)74/80 5)72/80 6)70/80. Checked magneto timing. Cleaned, gapped and reinstalled sparkplugs with new M674 gaskets. Cleaned fuel screens, gascolator and injectors. CW AD96-12-22, next due 3175.43 or next oil filter change. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Kevin Plunkett AIP 3268482IA.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				Tach Time: 3084-68
07/09/2019	634	18	634	18	Compression check: 1) 72/80 2) 70/80 3) 74/80 4) 70/80 5) 72/80 6) 70/80. Drained oil, serviced engine with CH48108-1 oil filter and Phillips 20W50 X/C oil. Checked magneto timing. Cleaned, gapped, rotated and reinstalled spark plugs. Cleaned screens. C/W AD96-12-22 next due 3184-68 or filter change. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Kevin Plunkett A+P3268482 IA

N9496M

SPANAFLIGHT AVIATION, LLC16705 103rd Ave. Ct. E.
PUYALLUP, WA 98374
(253) 848-2020**Compression Test**

#1	#2	#3	#4	#5	#6
69/80	68/80	67/80	72/80	74/80	76/80

Engine Make/Model Continental TSIO-520-H(5) Engine Serial 217492-R

DATE: 18 Dec. 2020 TACH: 3095.63 Engine TT: 645.13 SMOH: 645.13

Performed Annual inspection this date. C/W AD 71-09-07 R1 by pressurizing exhaust system, ok. NEXT DUE: 5430.23. C/W AD 96-12-22, oil filter adapter, NEXT DUE: 3195.63. Drained oil, removed oil filter. Cut open filter and inspected element. Installed new oil filter CH48108-1, torqued and safetied. Serviced engine with 10 qts. 20W-50 Phillips. Removed spark plugs, cleaned, inspected, rotated, installed and torqued to 360 in. lbs. Fabricated new bracket for wastegate hoses on RH side of sump. Fabricated new 1/4" induction drain line on RH side of sump. Post inspection engine run ok, checked for leaks - no leaks. I certify this powerplant has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition this date.

Signature

A&P3989351 IA

N9496M

SPANAFLIGHT AVIATION, LLC16705 103rd Ave. Ct. E.
Puyallup, WA 98374
(253) 848-2020**Compression Test**

#1	#2	#3	#4	#5	#6
64/80	79/80	71/80	60/80	60/80	54/80

Engine Make/Model Continental TSIO 540-H Engine Serial 217492-R

DATE: 29 APR 2022 TACH: 3126.35 AFTT: 5140.96 Engine TT: 675.86 SMOH: 675.86

Performed an annual inspection this date IAW the scope and detail of 14 CFR 43 Appendix D. Researched ADs through biweekly 2022-05. Updated ATP AD profiles and found AD index to be up to date. Drained oil, and removed oil filter. Cut open oil filter and inspected contents and found no discrepancies. Installed new oil filter P/N CH48108-2, torqued and safetied. Service engine with 10 qts of Phillips X/C 20W-50. Performed magneto 500 hr inspection. Change internal points, cleaned timed and lubed internal components of magnetos. Installed mags after servicing, verified magneto timing. Installed overhauled #2 cylinder for Cont TSIO-520-H, s/n: S147. Installed new EGT probe on cyl #6. Performed AD96-12-22 by inspection of oil filter adapter assy and torque putty. No faults. Due next at oil change or annual. Performed AD71-09-07 R1 by inspection of heat exchanger. No faults. Due next: 3176.35 - 50 hrs. Repaired baffle seal on air intake duct. Changed rocker cover gaskets on #2 & #4 cylinder due to leakage. Performed post inspection engine run and checked for leaks - no leaks. I certify this powerplant has been inspected in accordance with an annual inspection and was determined to be in airworthy condition this date.

Signature

AP 3048703 IA

[illegible]

AIRCRAFT: N9496M	TACH: 3166.04	DATE: 04-AUG-2023
MODEL: T210K	ACTT: 5450.64	S.N.: 21059396

- DRAINED ENGINE OIL AND REMOVED OIL FILTER, CUT FILTER OPEN TO INSPECT FOR ABNORMALITIES, NONE FOUND
- REPLACED OIL FILTER WITH NEW AA48108-2, AND SERVICED ENGINE WITH 10qts. PHILLIPS X/C 20W-50
- GROUND RAN ENGINE FOR OP's AND LEAK CHECKS, NO FAULTS FOUND FOR WORK PERFORMED

John Beck

JOHN BECK
A&P3229710