ENGINE LOG BOOK

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Publication ELB-01

SEP 2010

	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record			
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins			
/28/11	Z	.Z			Engine Log Book Entry			
			ý		Engine Log Dook Entry			
		<u> </u>	"		Date: 8-4-11 Engine Time: 2	2		
					Installed the TAS100 preheater S/N 44949 in accordan with Tanis Aircraft Products instructions and drawing number			
					Name: 12 Still A&P# 4			
					Name: 1 Srift A& P# AC.3:	78.CE		
	•		ļ					
		_			DATE: 27 December, 2011			
ENGINE TSIO550	K18		nion Aviat hirport Road	tion	A/C TSN: 16 ENG TT: 16			
REG. NO	S/N: 1004755); n826KE	Nova	lo, CA 94945	7	TSMOH: TACH: 16			
		Phone	e: 415-897-978	37				
Engine	e Entries							
(1) Con	plied with A	D 2011-25-	51 and MSB	11-4, Rema	oved and replaced starter adapter provided by TCM, Part # 642085A19.			
Engine	run and che	cked for lea	aks, none not	ed.				
				i	1 2 200			
	27 Decembe	er. 2011	SIGNED:	X	Work Order: 0254-01-2012			
DATE.				Robbins, A&P	Printed by EBis 3 (datcomedia.com)			
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	I	I	I	I	1			
		_			DATE: 06 January, 2012	:		
ENGINE N TSIO550K	1B		lon Aviati	ion	A/C TSN: 16 ENG TT: 16	:		
ENGINE S REG. NO:	/N: 1004755 n826KE	Novalo	rport Road b, CA 94945		TSMOH: TACH: 16			
WORK OI 0242-12-2		Phone	415-897-9787	ſ				
Log En	tries							
	_	B2X-71-20	on Alternate.	Air assemb	ly by inspection and hinge pin crimp per instructions (2) Removed			
intercool	ers, remove d with Fuel (d and repla Collector tar	ced spark plu nk drain valve	ugs per SB2 e replacem	2X-74-01 (installed 12 Champion RHB32E), reinstalled intercoolers (3) ent per SB 2X-28-10 (4) Complied with Left Induction per SB2X-71-18R1			
by replace	cement of oil	l reservoir a	ind gasket.	-				
	6 January, 2	2012		Min	Work Order: 0242-12-2011			
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ENGINE TSIO550			Sca	nlon Avia	ACC 151.31.5			
ENGINE	S/N: 1004755			irport Road o, CA 94945	ENG TT: 31.5 TSMOH:			
WORK C	RDER:			e: 415-897-9	T-01/ 04 F			
0291-03-						·		
-	Entries				multi-sector membrane poted. Filled engine with Plate Apprehall 15\M_50			
(1) Chai and ran	nged oil and engine to ch	tilter, open seck for lea	ed filter and o ks, none note	checked for ed.	metal contamination, none noted. Filled engine with 8 qts Aeroshell 15W-50			
	-		-		·			
					1 1 100			
	•		,		12110			
DATE: :	21 March, 20	012	SIGNED:	X	Work Order; 0291-03-2012 3129824 Printed by EBis 3 (datcornedia.com)			

Record	Engine Service and Maintenance R	ne Since Last Overhaul	Total Time Hours Min		Date	
	Record maintenance actions including engine part ren installation and compliance with inspections, Airworthiness Special Inspections, Modifications and Service Bulletins	ours Min				
						ed forwa r d -
	· · · · · · · · · · · · · · · · · · ·		•			
	DATE: 22 May, 2012 A/C TSN: 87.6 ENG TT: 87.6 TSMOH: TACH: 87.6	Scanlon Áviatio 151 Airport Road Iovato, CA 94945 None: 415-897-9787	451 Airpo Novalo, C	Santo	3 1: 1004755 26KE ER:	ENGINE MOI TSI0550K1B ENGINE S/N REG. NO: 82 WORK ORDI 0324-05-2012
	_					Engine E
!	tal contamination, none noted. Filled engine with 8 qts Aeroshell 15W-50	nd checked for met noted.	lter and che ione noted.	er, opened fi k for leaks, r	d oil and filte gine to check	(1) Changed and ran eng
	1 200	1	ι.			
	Work Order: 0324-05-2012			SI	May, 2012	DATE: 22 M
	9824 Printed by EBis 3 (datcomedia.com)	R Robbins, A&P: 3129	neth R Robbi	Ker		
I					[· · ·	
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I	DATE: 10 July, 2012					-
	tion A/C TSN: 133.5 ENG TT: 133.6	Scanlon Aviat	A			ENGINE M
	TSMOH: TACH: 133.6	451 Airport Road Novato, CA 94945	Novalo	Sau	N: 1004755	
	97 TAON: 133.0	Phone: 415-897-978			RDER:	WORK OF 0377-08-2
					Entries	Engine
	metal contamination, none noted. Filled engine with 8 qts Aeroshell 15W-50	r and checked for n	l filter and c	filter, openeo	aed oil and f	. (1) Chan
		ne noted.	s, none note	eck for leaks	engine to che	and ran e
	1 1.200	(
	Work Order: 0377-08-2012		SIGNED:		0 July, 2012	DATE: 1
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	D ENGLEWOOD, COLORADO 80112 (303) 799-8386 550-K1B S/N: 1004755 Engine Log Entry	OWER ROAD	ental	Contine	бKЕ	N826
	D ENGLEWOOD, COLORADO 80112 (303) 799-8386 550-K1B S/N: 1004755 Engine Log Entry Hobbs Meter: 226.7	OWER ROAD Il TSIO-5 Ibs: 190.9	ental Hobbs: 1	Contine Flight 1	6KE 2012	N826 7 August 2
	D ENGLEWOOD, COLORADO 80112 (303) 799-8386 550-K1B S/N: 1004755 Engine Log Entry Hobbs Meter: 226.7 ite 20W-50). Cut oil filter open and inspected, no	OWER ROAD I TSIO-5 obs: 190.9 ing (Exxon Elit	ental Hobbs: 1 using (E	Contine Flight I and filter	KE 2012 ngine oil	N826 7 August 2 Changed et
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N826KE Engine Cirrus SR-22T S/N-0170

May 21, 2014 Hobbs Time: 452.2 Flight Time: 383.0

Drained oil and removed filter. Cut apart filter to check for metal. No abnormal metal noted. Installed new oil filter P/N CH48108-1, and serviced engine with 8 quarts Aeroshell 100W oil. Ran engine to check for leaks. Operational and leak checks satisfactory.

Brook Westcott A&P3689890

		Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record								
Ò	Date	Hours	Min	Hours	Min	Record maintenance actions including engine part ren installation and compliance with inspections, Airworthiness Special Inspections, Modifications and Service Bulletins	noval and Directives,							
	Carried forward -		→				_							
	REG. NO: : WORK OR 0399-08-20 Engine (2) Perfor	18 /N: 1004755 826KE DER: 012 Entries med annual	inspection	451 Ai Novato Phone	nlon Avia rport Road b, CA 94945 : 415-897-976 er FAR 43 ap	AVC TSN: 216.7 ENG TT: 216.7 TSMOH: TACH: 216.7 TACH: 216.7								
	metal contamination, none noted. Filled with 8 qts Exxon 20W-50, ran engine and checked for leaks, none noted. Checked magneto timing, cleaned, gapped and tested spark plugs. Compression checked @ #1-79, #2-79, #3-78, #4-76, #5-76, #6-78. Cleaned injector nozzles and reinstalled with new seals and washers. Replaced induction air filter elements.													
		I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.												
	DATE: 06	DATE: 06 Sentember 2012 SIGNED												
			1	Kenneth R Rol	bbins, IA: 312	Work Order: 0399-08-2012 9824 Printed by EBis 3 (datcomedia.com)	: 							
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	TSI0550 ENGINE REG. NO WORK O	ENGINE MODEL: TSIO550K18 ENGINE S/N: 1004755 REG. NO: 826KE WORK ORDER: 0416-09-2012 CASE OF CONSTRUCTION OF CONSTRUCTURE OF C												
0	(1) Char	Engine Entries (1) Changed oil and filter, opened filter and inspected for metal contamination, none noted. Filled with 8 qts Exxon 20W-50, engine												
		run and checked for leaks, none noted.												
	DATE: 0	DATE: 08 October, 2012 SIGNED: Work Order: 0416-09-201												
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ENGINE MODEL: TSIO550K1B ENGINE S/N: 1004755 REG. NO: N826KE WORK ORDER: 114363 Clear Star Aviation Repair Station No. 5CSR009B 4765 Frank Luke Dr Addison, Texas 75001 Phone: 972-267-2376 DATE: 10/21/2013 A/C TSN: 341.5 ENG TT: 341.5 FLIGHTTIME: 341.5

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30..The oil and filter was changed and serviced with 7 quarts of Phillips 20W50 X/C, and a new AA48108-2 filter. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix, AZ..Replaced starter with new P/N 657596 S/N 4C3-301326..Installed all new rocker cover gaskets.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 10/21/2013

SIGNED:

Hoskins, Josh Certified Repair Station No. 5CSR009B Work Order: 114363

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Date: 10-20-2014 Work Order: S7927 N826KE S/N 22T-0170 Flight Time: 434.0 Hobbs Meter: 509.3 Total Time: 434.0



Performed a <u>100 Hour Inspection</u> in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D; with reference to Cirrus SR22/22T A.M.M. Rev. B4. Drained engine oil and collected sample for outside lab analysis (Blackstone). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of Phillips 20W50 XC. Performed borescope inspection and differential compression check, results were as follows: #1, 62/80; #2, 56/80; #3, 66/80; #4, 56/80; #5, 72/80; #6, 63/80; M.O. 45/80. Lubricated all engine controls. Drained and cleaned gascolator fuel bowl. Post-run and leak check was satisfactory at this time.

-All applicable ADs have been complied with at this time.

I certify that this Engine (TCM TSIO-550-K(1) S/N 1004755) has been inspected in accordance with a <u>100 Hour Inspection</u> and was determined to be in an Airworthy Condition.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:

Nathaniel Hershberger / CRS Release Authority

Hobbs Meter: 540.5 Date: 01/18/15 Reg: N826KE

Changed oil. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted. Date: 01/18/15

Jour Cig

Hobbs Meter: 542.9 Flight Time: 461.2 Date: 4/8/2015 Reg: N826KE

Replaced spark plugs by installation of 12 Tempest URHB32S spark plugs in accordance with Cirrus SR22/SR22T AMM 74-20 and Continental Motors SIL03-2C.

Date: 4/8/2015

Noah K. Wood, PP# 2795307

Hobbs Meter:587.1 Date: 05/10/15 Reg: N826KE

Changed oil and filter (CH48109-1). Opened filter and inspected for metal contamination, none noted. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted.

Date: 05/10/15

June aj

Hobbs Meter: 566.7 Flight Time: 481.8 Date: 5/19/2015 Reg: N826KE

Changed oil and filter (CH48109-1). Opened filter and inspected for metal contamination, none noted. Oil sample taken and submitted. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted. Date: 5/19/2015 Noah K. Wood, PP# 2795307

Hobbs Meter: 625.7 Date: 08/01/15 Reg: N826KE

Changed oil. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted. Date: 08/01/15

June Cig



. Date: **10-20-2015** Work Order: **S8122** N826KE S/N 22T-0170 I-1953 Flight Time: **560.0** Hobbs Meter: **653.1** Total Time: **560.0**



Performed a <u>100 Hour Inspection/Annual</u> in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D; with reference to Cirrus SR22/22T A.M.M. Rev. B4. Drained engine oil and collected sample for outside lab analysis (Blackstone). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of Phillips 20W50 XC. Performed borescope inspection and differential compression check, results were as follows: #1, 62/80; #2, 56/80; #3, 66/80; #4, 56/80; #5, 72/80; #6, 63/80; M.O. 45/80. Replaced oil pressure sensor P/N 12635-004. Installed overhauled right magneto P/N 10-500556-101 S/N D12AA033. Installed new left magneto P/N 10-500556-101 S/N D15GA090.6 Completed 500HR #1 Alternator brush inspection replacement P/N ALE3045BS. C/W CMI SB15-2 cross fitting installation. C/W CMI SIL14-4A by inspection. C/W SB2X-28-12R1 Electric pump operations inspection. C/WSB2X-71-27 by inspection and installed space P/N 27075-001. Replaced Induction filters (2) 27166-001. Lubricated all engine controls. Drained and cleaned gascolator fuel bowl. Post-run and leak check was satisfactory at this time.

I certify that this Engine (TCM TSIO-550-K(1) S/N 1004755) has been inspected in accordance with a <u>100 Hour Inspection</u> and was determined to be in an Airworthy Condition.

| have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordence with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:

Chad J.Koehn / CRS Release Authority

Hobbs Meter: 680.4 Date: 02/11/16 Reg: N826KE

Changed oil and filter (CH48109-1). Opened filter and inspected for metal contamination, none noted. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted.

Date: 02/11/16

Dez



N826KE Engine Cirrus SR-22T S/N-0170 Continental TSIO-550-K S/N-1004755

April 30, 2016 Hobbs Time: 700.5 Flight Time: 598.9

Drained oil and removed filter. Found excessive carbon in filter. Installed new filter P/N CH48108-1 and serviced engine with 8 quarts of Aeroshell 100 Mineral. Installed new cylinder assembly in #1position P/N 658595A3. Removed and reinstalled #2 and #3 cylinders after repair by Gibson aviation. All cylinders installed with new piston rings, lock-tabs, seals and gaskets. Installed new check valve P/N 646717. Adjusted fuel pressures per CMI SID97-3G. Ran engine to check for leaks. Operational and leak checks satisfactory.

Brook Westcott A&P3689890



N826KE Engine Cirrus SR-22T S/N-0170 Continental TSIO-550-K S/N-1004755

June 3, 2016 Hobbs Time: 713.4 Flight Time: 610.2

Removed oil filter to check for debris. No abnormal debris noted. Installed, torqued and safety wired new oil filter P/N CH48108-1. Ran engine to check for leaks. Operational and leak checks satisfactory.

Brook Westcott A&P3689890

Hobbs Meter: 746.2 Date: 08//26/16 Reg: N826KE

Changed oil and filter (CH48109-1). Opened filter and inspected for metal contamination, none noted. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted.

Date: 08/26/16

Jully,



Date: **11-01-2016** Work Order: **S8339** N826KE S/N 22T-0170 Flight Time: **674.7** Hobbs Meter: **784.0** Total Time: **674.7**



Performed a <u>100 Hour Inspection/Annual</u> in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D; with reference to Cirrus SR22/22T A.M.M. Rev. B6. Drained engine oil and collected sample for outside lab analysis (Blackstone). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell 100W. Performed differential compression check, results were as follows: #1, 72/80; #2, 75/80; #3, 62/80; #4, 62/80; #5, 70/80; #6, 74/80; M.O. 45/80. Engine set up, adjusted manifold pressure to spec. Owner has fine wire plugs installed, SB2X-74-01 was not complied with. Torqued upper case bolt found loose. Drained and cleaned gascolator fuel bowl. Post-run and leak check was satisfactory at this time.

- C/W SB2X-79-04 - Improved oil pressure sending unit installation. AD 2016-21-04 N/A by this updated SB. -All applicable ADs have been complied with at this time.

I certify that this Engine (TCM TSIO-550-K(1) S/N 1004755) has been inspected in accordance with a <u>100 Hour Inspection</u> and was determined to be in an Airworthy Condition.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repairInspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Perlinent details of repairInspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:

Chad J.Koehn / CRS Release Authority

Hobbs Meter: 802.2 Date: 03/13/17 Reg: N826KE

Changed Oil. Filled with 7 qts Aeroshell W100 Plus, engine ran and checked for leaks, none noted. Date: 03/13/17

Julley



Date: 06-28-2017 Work Order: 88479 N826KE S/N 22T-0170 3 Flight Time: 719.7 Hobbs Meter: 835.7 Total Time: 719.7



Work was performed with reference to Cirrus SR22/22T A.M.M. Rev. B6. Drained engine oil and collected sample for outside lab analysis (Blackstone). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell 100W. Removed and installed new RT. side intercooler skeet tube (42") P/N 6-528. Adjusted manifold pressure, fuel flow and idle mixture to spec. Post-run and leak check was satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propelier, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L

Authorized Signature:

Chad J.Koehn / CRS Release Authority



Date: **11-20-2017** Work Order: **58553** N826KE S/N 22T-0170 953 Flight Time: **757.4** Hobbs Meter: **878.7** Total Time: **757.4**



Performed a <u>100 Hour Inspection/Annual</u> in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D: with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil and collected sample for outside lab analysis (Blackstone). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell 100W. Performed differential compression check, results were as follows: #1, 62/80; #2, 64/80; #3, 32/80 #4, 54/80; #5, 70/80; #6, 66/80; M.O. 46/80. Removed #3 cylinder, sent cylinder to be repaired Midwest Aircraft, Reinstalled #3 cylinder with new push rod P/N 652451-7, rocker arm P/N 658745, Lock tap P/N 501868, seals P/N's (3) 633958-3 – (3) 633958-5 and gaskets (2) P/N 652458. Recheck compression on #3 cylinder 78/80. Engine set up, adjusted manifold pressure to spec. Owner has fine wire plugs installed, SB2X-74-01 was not complied with. Drained and cleaned gascolator fuel bowl. Post-run and leak check was satisfactory at this time. -All applicable ADs have been complied with at this time.

I certify that this Engine (TCM TSIO-550-K(1) S/N 1004755) has been inspected in accordance with a <u>100 Hour Inspection</u> and was determined to be in an Airworthy Condition.

I have reviewed the file on this alroraft and the accompanying forms. The aircraft, airframe, aircraft engine, propelier, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Perfinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:

Chad J.Koehn / CRS Release Authority



Date: 01-05-2018 Work Order: S8594 N826KE S/N 22T-0170 53 Flight Time: 775.5 Hobbs Meter: 900.5 Total Time: 775.5



Drained engine oil and collected sample for outside lab analysis (Blackstone). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell 100W.

I have reviewed the file on this alrcraft and the accompanying forms. The aircraft, alrframe, aircraft engine, propetier, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:

Chad J. Koehn / CRS Release Authority



ENGINE LOG ENTRY

CIRRUS SR22T Aircraft S/N: 0170

N826KE TACH: 815.9 Date: 5/31/2018

Work Accomplished:

- Performed engine run IAW POH to warm oil. Oil pressure and oil temperature indications within normal range, as marked.
- Removed cowling as necessary, drained Engine Oil.
- Removed Oil Filter P/N CH48108-1, Cut Open and visually inspected Filter Element for metallic particles or excessive hard carbon. Findings: No metal particles or hard carbon noted in filter element.
- Installed New Champion Engine Filter P/N CH48108-1, torqued and Safetied IAW filter manufacturer's specifications.
- Serviced Engine with (8) Quarts of Aeroshell Level 100W engine oil and reinstalled cowling.
- All work completed IAW CIRRUS Airplane MM Section 12-10 & 79-20.
- NEXT oil change DUE at Tach 865.9. (50 flight hours)

All maintenance performed on this Aircraft was performed in accordance with current regulations of the FAA and was determined to be in airworthy condition and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station under the Work Order No. 26820.

for Midwest Corporate Aviation, FAA CRS# **BVYR657C** 3512 N. Webb Road • Wichita, KS 67226 • (316) 636-9700