

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

LEFT ENGINE
MAINTENANCE
RECORDS

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
12/1/15			4302.2	Changed engine air filter with new Comp. as follows #1 $\frac{78}{80}$ #2 $\frac{76}{80}$ #3 $\frac{72}{80}$ #4 $\frac{78}{80}$ #5 $\frac{78}{80}$ #6 $\frac{78}{80}$. Inspected this engine in accordance with a 100 hr. inspection and have found it to be in airworthy condition at this time. AIP 3510804 W.B.S.
2/1/2017	4376.9	27.3	4302.9	Changed engine air filter element with new. Inspected this engine in accordance with a 100 hr. inspection and have found it to be in airworthy condition at this time. AIP 3510804 William B. Schuetz

09-01-2023 LH ENG: TCM MOD: TSIO-520-ECEB SN: 510405 TSMOH: 38.45 FLIGHT HOBBS: 4303.1 4304.4

Drained oil. Removed and cut open the oil filter and checked for contamination. None found. Installed new oil filters. Serviced engine with fresh engine. Cleaned and inspected spark plugs. Magneto checks satisfactory. Inspected alternator and starter. Ops ok. Reviewed all ADs through 2023-09-01. In compliance with all ADs. Conducted engine run up. All gauges have registered in the green and produced adequate power at various settings. Checked for leaks. Ops ok. The left engine is in acceptable condition for a special flight permit.

Robin Rivera, AP 4102580 IA
Robin Rivera, AP 4102580 IA

SUB-TOTALS this page

TOTALS-Carry forward to next page

4303.6

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Note: TRANSPOSED S/N FROM 510405 TO 501405

ZEPHYR AIRCRAFT ENGINES INC.

39320 Avenue B Zephyrhills FL. 33542

(813) 788-3305 FAX (813) 788-4412

W.O. No. 212291

Mfg. Continental

Serial No. 501405

Dated: February 06, 2013

Model: TSIO-520-E-C-EB

Engine Total Time. _____

Time since Major Overhaul. 0.00

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits. The Engine was disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed, reassembled and test run in accordance with manufacturer's current overhaul manual, and in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O.# listed above. All applicable Airworthiness Directives thru 2013-01 are in compliance. See A.D. list supplied.

F.A.A. APPROVED REPAIR STATION #V14R397M

James P. Campbell
Authorized Signature

Components, Accessories, & Related Parts supplied or installed.	Overhauled	Repaired	Not Repaired
Fuel Servo/ Carburetor. P/N 632916-8	S/N J169001AR	X	
Fuel Flow Divider. P/N 634326-10A4	S/N J119008CR	X	
Fuel Pump P/N 646210-11	S/N M3947		X
Left Magneto P/N 10600606-1	S/N 1299202ER		X
Right Magneto P/N 10-600656-1	S/N A309757DR	X	
Oil Cooler P/N 1E1775	S/N 577	X	
Turbocharger P/N 406610-9025	S/N SIR0288	X	
Spark Plugs P/N. URHB32E			
Oil Filter P/N. CH48108-1			
Ignition Harness P/N. M1730			

*4275. Replaced push rods in #3 + #6 cylinders with .030 ones supplied by Zephyr due to valve noise. Test run passed O.K.
ATP 3510804
Walter F. Schubert*

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/11/13	4349.6	0	4275.6	The engine installed in Cessna 168C. Serviced with Shell 100 straight mineral oil, propeller gear replaced with D/H unit from Quality Aircraft Assy., starter installed as removed, tach generator replaced with V/H unit from Aerospacex Turbine. Rotablen checked. The Berry Control engine mounts, the ^{phases} were installed as removed. Alternator installed as removed. Magn. installed as removed by Zephyr. Fuel system set up per 51B. Engine test run and passed O.K. Inspected this engine in accordance with a 100 hr. inspection and have found it to be in airworthy condition at this time. ATP 3510804 Walter F. Schubert
Oct 3 14			4293	Replaced engine air filter with new. Inspected this engine in accordance with a 100 hr. inspection and have found it to be in airworthy condition at this time. ATP 3510804 W.F.S.
				SUB-TOTALS this page
				TOTAL S-Carry forward to next page

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 116867C

Engine Manufacturer Cont

Model TS10-520-E-C-EB

Serial No. 510405 ~~XXXXXXXXXX~~ *ZEPHYR ENGINE
INCORRECT S/N TRANSPOSED*

Date installed on aircraft 2-6-13

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|--|
| ☐ Right | ☒ Left |
| ☐ Front | ☐ Rear |



(All applicable information must be filled in)

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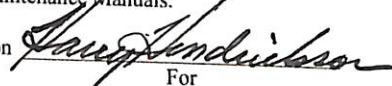
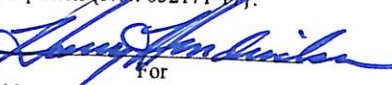
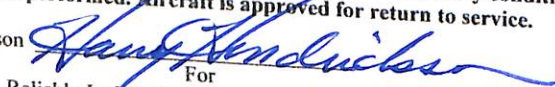
AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

2-2-07
to
4-30-10

Left **ENGINE
MAINTENANCE
RECORDS**

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2010				TOTALS brought forward from previous page
29 Apr				4257.4 I certify that This Eng has been inspected IAW an 100/ Annual Insp and determined to be in an airworthy condition changed oil & filter perished 100W 50SAE oil 12 qts put in Eng check fuel injectors. Spark Plugs cleaned. Timing OK. Ron Eng. checked for leaks. OK. Cowled Eng OK to return to service. Herb Ruffe AP2733016421A
2010				
30 Apr				4257.4 Replaced all baffle seals with new & repaired fwd parts of baffle both sides of Eng. Eng ran up and runs cooler. OK to return to service. Herb Ruffe AP2733016421A
SUB-TOTALS this page				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				This (Closed) see new
SUB-TOTALS this page				
TOTAL S-Carry forward to next page				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
 Reliable Jet Maintenance Engine Log Entry 561-417-3834 Date: Feb. 07, 2007 Aircraft Reg #: N6867C Work Order: 07-2707 Aircraft S/N: 335-0061 Engine #: 1 Hobbs Time: 4,129.6 Engine S/N: 4007130 Tach Time: N/A 510405 Performed the following Maintenance: Removed and replaced 12 spark plugs {P/N: RHB32E} IAW Cessna 335 & TCM TSIO-520 Maintenance Manuals. Harry Hendrickson  For Reliable Jet Maintenance CRS# LCPR025G				
 Reliable Jet Maintenance Engine Log Entry 561-417-3834 Date: Apr. 05, 2007 Aircraft Reg #: N6867C Work Order: 07-2960 Aircraft S/N: 335-0061 Engine #: 1 Hobbs Time: 4,219.8 Engine S/N: 510405 Tach Time: N/A Performed the following Maintenance: Installed new oil cap/dip stick {P/N: 652171-17}. Harry Hendrickson  For Reliable Jet Maintenance CRS# LCPR025G				
 Reliable Jet Maintenance Engine Log Entry 561-417-3834 Date: Apr. 10, 2007 Aircraft Reg #: N6867C Work Order: 07-2803 Aircraft S/N: 335-0061 Engine #: 1 Hobbs Time: 4,129.8 Engine S/N: 510405 Tach Time: N/A Complied with the following Inspections: 1. Annual inspection IAW FAR 43 para D. & Cessna 335 MM ch 5 -10-00. 2. A.D. 2000-01-16, visual inspection of the exhaust system IAW A.D. compliance table (C) Fig. 1 No. 97-CE-67-AD. Next inspection due: 4,229.8 Hobbs Time. 3. Cylinder compression test: #1 74/80, #2 60/80, #3 73/80, #4 73/80, #5 73/80, #6 70/80. Performed the following Maintenance: 1. Drained & refilled with 12qts of Aeroshell 100W oil. 2. Removed & replaced oil filter {P/N: CH48108-1}. I certify this engine has been inspected and is found to be in an airworthy condition with respect to the work performed. Aircraft is approved for return to service. Harry Hendrickson  For Reliable Jet Maintenance CRS# LCPR025G				
SUB-TOTALS this page				
TOTALS-Carry forward to next page				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
2008 SMAY	4226.5			I certify that This Eng Has been inspected IAW on 100hr/annual inspection and was determined to be in an airworthy condition, changed oil & Filter, 12 qts Aeroshell 100W 50SAE Filter cut open checks, clean, cleaned fuel injectors, checked timing, compression chk. All cyls mid 70's over 80 PSI Ran Eng & for leaks. Cooled up. OK to return to service.  APR 27 3301662 LA
2009 SMAY	4238.0			I certify that This Eng has been inspected IAW on 100/Ann. inspection and determined to be in an airworthy condition cleaned all spark plugs, checked timing all cyls mid 70's over 80 PSI changed oil, & filter cut open filter & OK. Ran up Eng & for leaks cooled & OK for return to service.  APR 27 3301662 LA
SUB-TOTALS this page				
TOTALS-Carry forward to next page				



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N6867C

Engine Manufacturer CONT.

Model TS10 520 ECEB

Serial No. 510405

Date installed on aircraft 5/29/95

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right ☒ Left
☐ Front ☐ Rear



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West Star Aviation, Inc.
Gold Star-Remanufactured Engines

DATE

19 _____

TOTAL
TIME IN
SERVICE**Manufacturers' Mandatory Service Bulletins**

Chronological Listing of Compliance and Method of Compliance

ENGINE MODEL: TSIO-520-EcEB ENGINE S/N: 510405 TTE: 2903.0 DATE: 2/24/95 W/O: 5718E

THE FOLLOWING CONTINENTAL SERVICE BULLETINS WERE COMPLIED WITH AT OVERHAUL:

M70-7, M72-8, M72-17 R1, M75-6R1, M75-21, M76-4, M76-7, M76-20, M77-9, M78-4, M78-11, M81-27, M81-28 R1, M85-7, M85-9 R1, M85-10, M85-18, M85-19, M86-13 R1, M86-14, M87-11 R2, M87-23, M88-4, M88-11, M89-10, M89-24, M90-5 R1, M90-6, M90-14, M90-16, M90-17, M91-4, M91-8, M91-9, M92-6, M92-7, M92-9, M92-15, M93-4, M93-5, M93-8, M93-9 R1, M93-12, SB94-2, SIL94-6, SB94-8, SIL94-10, END

WEST STAR AVIATION, INC.
Grand Junction, CO.

Signature



CRS NO. WTXR173J

DATE 19	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
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ENGINE MODEL: TSIO-520-EcEB S/N: 510405 TTE: 2903.0 DATE: 2/24/95 W/O: 5718E

	AD NUMBER	AMEND. #	SUBJECT	METHOD OF COMPLIANCE
N/A	87-14-02	39-5732	SHAFT GEAR	N/A BY ENGINE MODEL
C/W	87-23-08	39-5735	CRANKSHAFT FAILURE	N/A BY ENGINE MODEL
N/A	87-26-08	39-5883	CRANKSHAFT FAILURE	N/A BY ENGINE MODEL
N/A	88-17-03	39-5943	SHAFT GEAR	N/A BY ENGINE MODEL
C/W	89-24-01 R1	39-6645	SCAVENGE PUMP GEARS	C/W WITH SERVICE BULLETIN M90-6
N/A	89-24-03	39-6386	TURBO INLET ASSY.	N/A BY ENGINE MODEL
C/W	91-19-03	39-8030	CHAMPION OIL FILTER	C/W BY FILTER INSPECTION
N/A	93-08-17	39-8565	OIL PICK-UP TUBE	N/A BY ENGINE MODEL
C/W	93-10-02	39-8603	CYL. VALVE RET. KEYS	C/W BY INSPECTION
C/W	93-16-15	39-8743	FUEL PUMP DRIVE COUPLE	C/W SERVICE BULLETIN M93-9 R1
N/A	94-14-12	94-ANE-33	FUEL CONTAMINATION	N/A NOT A CONTAMINATED ENGINE
	END			

CYLINDERS INSTALLED: P/N 649317CE (TCM CERMICHROME)
PISTON P/N: 648044

WEST STAR AVIATION, INC.
Grand Junction, CO.

Signature

CRS NO. WTXR173J

DATE 19	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
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ENGINE MODEL: TSIO-520-EcEB S/N: 510405 TTE: 2903.0 DATE: 2/24/95 W/O: 5718E

LEFT MAGNETO: TCM/BENDIX, PART NUMBER: 10-163020-3 SERIAL NUMBER: 86270047

RIGHT MAGNETO: TCM/BENDIX, PART NUMBER: 10-163060-1 SERIAL NUMBER: 19054

AD COMPLIANCE FOR BOTH MAGNETOS IS AS FOLLOWS:

	AD NUMBER	AMEND #	SUBJECT	METHOD OF COMPLIANCE
N/A	74-28-09	39-2050	SHAFT BUSHING	N/A BY PART NUMBER
N/A	78-09-07 R3	39-4538	IMPULSE COUPLING	N/A BY PART NUMBER
N/A	82-13-01	39-4405	GREEN BLOCK	N/A BY PART NUMBER
N/A	82-20-01	39-4658	IMPULSE COUPLING	N/A BY PART NUMBER
C/W	94-06-09	39-8895	CAPACITOR INSPECTION	C/W BY INSPECTION
C/W	94-01-03 R1	39-9008	COIL AND MAGNET	C/W TCM MANDATORY SERVICE BULLETIN MSB644
	END			

WEST STAR AVIATION, INC.
Grand Junction, CO.

Signature

CRS NO. WTXR173J

DATE

19

A.D.
NUMBERTOTAL
TIME IN
SERVICE**Airworthiness Directives**

Chronological Listing of Compliance and Method of Compliance

ENGINE MODEL: TSIO-520-EcEB S/N: 510405 TTE: 2903.0 DATE: 2/24/95 W/O: 5718E

AD COMPLIANCE FOR THIS ENGINE IS AS FOLLOWS:

	AD NUMBER	AMEND #	SUBJECT	METHOD OF COMPLIANCE
N/A	69-18-05	39-0835	SCAVANGE PUMP	N/A BY ENGINE SERIAL NUMBER
N/A	70-13-03	39-1017	BALANCE TUBE	N/A BY ENGINE MODEL
N/A	71-09-03	39-1198	FUEL PUMP	N/A BY SERIAL NUMBER
N/A	72-24-03	39-1554	OIL FILTER ADAPTER	N/A BY PART NUMBER
N/A	77-05-04	39-2848	CRANKSHAFT FAILURE	N/A BY ENGINE MODEL
N/A	77-13-22	39-2947	CRANKCASE INSPECTION	N/A BY LOGO STYLE CASE
N/A	78-06-01	39-3397	INTAKE PIPE	N/A BY ENGINE MODEL
C/W	79-05-09	39-3426	PRESSURE RELIEF VALVE	C/W YELLOW DOT CURRENT DESIGN SHAFT & PLUNGER
N/A	80-01-04	39-3647	CYLINDER FAILURE	N/A BY PART NUMBER
N/A	80-22-05	39-3948	OIL SEAL PLATES	N/A BY ENGINE MODEL
N/A	81-24-06	39-4260	FUEL PUMP	N/A BY SERIAL NUMBER
N/A	84-19-04	-----	FUEL PUMP	N/A BY ENGINE MODEL
N/A	84-25-05	39-5002	SCAVANGE PUMP	N/A BY ENGINE MODEL
C/W	86-13-04 R3	39-5850	CYLINDER CRACKING	C/W BY PISTON PART NUMBER 648044
N/A	87-12-12	-----	SHAFT GEAR	N/A BY ENGINE MODEL

WEST STAR AVIATION, INC.
Grand Junction, CO.

Signature

CRS NO. WTXR173J

DATE	RECORDING TACH TIME <i>Hobbs</i>	TODAYS FLIGHT <i>TSO</i>	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.)
7/3/04	4027.1			Completed annual inspection. R/R oil and filter w/ Ashes W-100, 12gts and CH48108. No particles found in old filter. Completed MSB 94-8A magnet timing. Replaced front main oil seal Per SB m 76-4. Replaced left prop bulkhead w/ used bulkhead. Replaced lwr #2 cyl. plug lead w/ new. Cleaned, gapped, and retorted spark plugs. Compression check as follows: 1) 65/80 2) 74/80 3) 75/80 4) 76/80 5) 75/80 6) 72/80. I certify that this engine has been inspected i/a/w an annual inspection and was determined to be in airworthy condition. <i>Chad Hobbs</i> # AP281253541A
1/3/05	4078.6	1249.6	4152.6	Completed 50-hr oil change. Replaced oil and filter w/ Ashes W-65 12gts and CH48108 filter. Completed ground run and leak check. Cleaned breather filter element. This work completed i/a/w C-335 m/p/m and TCM 7510520 m/p/m and approval for return to Service. <i>Chad Hobbs</i> # AP2812538

DATE	RECORDING TACH TIME <i>Hobbs</i>	TODAYS FLIGHT <i>TSO</i>	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.)
9/6/05	4119.7	1290.7	4193.7	Completed annual inspection. Replaced oil and filter w/ Ashes W-100 and CH48108. Completed MSB 94-8A magnet timing. Cleaned, gapped, and retorted plugs. Compression check: 1) 72/80 2) 75/80 3) 67/80 4) 75/80 5) 71/80 6) 73/80. I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. <i>Chad Hobbs</i> # AP2812538A

DATE 2003 19	RECORDING TACH TIME H2665	TODAYS FLIGHT T50	TOTAL TIME IN SERVICE TTE	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.)
				return to service END <i>Chad White</i> AP 99843554
8/11/03	3905.4	1076.4	3979.4	R & R Prop governors for overhaul. Reinstalled S/N 800225. OP & leak check good. Next due 5705.4 or 7/31/2008. I certify this maintenance has been performed IAW Cessna M/M & Aircraft is approved for return to service. <i>Joe M. Crane AP 311721272</i> Complete annual inspection. completed 50 hr inspection Replaced engine oil & filter w/ Ashell 100 and CH-8108. Replaced No. 4, No. 5, No. 6 cyl. w/ O/H cylinders. Cyl. comp. check: 1) 63/80 2) 65/80 3) 72/80 4) 72/80 5) 71/80 6) 63/80 Complete ground run, leak check, and hot flight, as per new cyl. break-in (enclosed) Check mag timing. Intake cleaned fuel injectors w/ new seals. <i>Chad White</i> AP 99843554
11/18/03	3934.3	1105.3	4008.3	

DATE 2003	RECORDING TACH TIME H2665	TODAYS FLIGHT T50	TOTAL TIME IN SERVICE TTE	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.)
11/18/03	3934.3	1105.3	4008.3	I certify that this engine has been inspected w/ a/w an annual inspection and was determined to be in airworthy condition. <i>Chad White</i> AP 99843554
2/5/04	3955.0	1126.0	4029.0	Replaced mineral oil and engine filter w/ Ashell W-80 and CH-8108-1. Ground run / leak check normal. Engine determined airworthy for return to service. <i>Chad White</i> AP 99843554
4/29/04	4011.3	1182.3	4085.3	Removed and replaced both magnets. Installed S/N I299202ER L/H and A309757DR R/H. Ops check good. I certify this maintenance has been performed IAW Cessna M/M & Aircraft is approved for return to service <i>Joe M. Crane AP 2803267</i>

DATE 2002	RECORDING TACH TIME 16665	TODAYS FLIGHT TSO	TOTAL TIME IN SERVICE TTE	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.)
7/29	3731.1	902.1	3805.1	Completed Annual inspection this date. Clean, gapped, related spark plugs. Compression checks as follows: 1) 63/50 2) 74/8 3) 70/80 4) 74/80 5) 72/80 No. 6 cylinder replaced due to low compression. Replaced cylinder w/ new piston, pin, and rings. No leaks noted following ground run. This engine has been inspected i/p/w C-335 m/p and applicable FARs and was determined airworthy for return to service. <i>Chad J. White</i> # <i>AP299843554</i>
8-3-02	3775.2	946.2	3849.2	Completed 50-hr oil and filter change. Replaced w/ ashell w-100 and CH48108. Inspected filter for contamination. No leaks following ground run. Completed AD2000 (a) by visually inspecting aircraft exhaust system. due by 3831-1. R/R starter w/ O/H starter. All work and inspections completed i/p/w C-335 m/p, TCM m/p, and applicable FARs, and was determined airworthy for return to service. <i>Chad J. White</i> # <i>AP299843554</i> ENDS

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT TSO	TOTAL TIME IN SERVICE TTE	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.)
10/11/02	3788.4	959.4	3862.4	Q/R of Starter adapter P/N 64208 SA4. S/N 021312 w/ O/H part. Ops and leak check normal after ground run. Work completed i/p/w TCM TSO S20 O/H manual and was determined airworthy for return to service. <i>Chad J. White</i> # <i>AP299843554</i> ENDS
1/24/03	3834.9	1005.9	3908.9	Completed annual inspection. Clean, gapped, related, spark plugs. Compression as follows: 1) 70/80 2) 67/80 3) 72/80 4) 75/80 5) 70/80 6) 70/80. NE 02-41 D/A/A part no. not installed. MEB 02-13A D/A/A - date of inspection. Fuel injectors cleaned, installed w/ new gaskets. Ground run/leak check normal. This engine has been inspected i/p/w C-335 m/p and applicable FARs and was determined airworthy for return to service. <i>Chad J. White</i> # <i>AP299843554</i> ENDS Addendum to entry dated 1/24/03: 50-hr completed. O.I. replaced w/ Ashell W-65. O.I. filter replaced w/ CH48108. No noted particles found in old filter. <i>Chad J. White</i> # <i>AP299843554</i> ENDS
6-27-03	3882.0			Completed 50-hr oil and filter change. Replaced w/ Ashell W-100 and CH48108. Work and inspection completed i/p/w C-335 m/p and applicable FARs and was determined airworthy for (cont)

DATE	RECORDING TACH TIME	TODAYS 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.)
15	11/11/01	T50		rotator pump, plugs, cleaned fuel nozzles. Replaced the following w/ new engine hoses: 111F417-450130(2), 156F001-2002040, 111F417-150360, 156F001-10D0130, 111F417-350286 156F001-6D0146, 156F001-6D0154, 156F001-8D0244 156F001-6D0144. This engine has been inspected i/f/w C-335 m/m and applicable FAR's and was determined airworthy for return to service. Chal Dwa # AP2448435541A Completed Operation A. R/R oil and filter w/ Ashell W65 and CH48108. Inspection and work performed i/f/w C-335 m/m and applicable FAR and determined airworthy for return to service. Chal Dwa # AP2448435541A Completed annual inspection this date. Replaced engine oil and filter w/ Ashell 65 and CH48108. Compression check 1) 60/80 2) 67/80 3) 62/80 4) 66/80 5) 74/80 6) 62/80. Replaced #1 cyl w/ o/H cyl, new piston and new rings due to low compression. Installed o/H fuel nozzle at #1 cyl. No leaks after ground run. This engine has been inspected i/f/w C-335 m/m annual inspection
12/11/01	3623.9	775.7		
1/12/02	3638.3	790.1	3695.7	

DATE	RECORDING TACH TIME	TODAYS 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.)
19	11/11/01	T50		and applicable FAR's and was determined airworthy for return to service. See AD by for AD state. Chal Dwa # AP2448435541A END
3/29/02	4455679.2			Completed 50-hr a.i change and filter change. Replaced w/ CH48108 oil filter and w-100-oil. No contamination found in previous filter. Completed AD 2000-01-16 (b) Next due @ 3729.2. No leaks found after ground run. This work performed i/f/w C-335 m/m and applicable FAR's and was determined airworthy for return to service. Chal Dwa # AP2448435541A
6/3/02	3720.0	891.0	3794.0	Completed 50 hr insp next due 3729.2. Completed AD 2000-01-16 op B next due 3720.0. Installed Champion CH48108 oil filter & Acroschell 100W oil. Replaced tail pipe assembly with new clamp. Ops / leak check good. I certify this engine has been inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition. Joel M. Crean AA311721272

DATE 2000	RECORDING TACH TIME	TODAYS 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.)
1-27-00	Hobbs	TSMO	TT engine	
	3432.1	583.9	3489.5	1. completed ops 4, 5, + 6. 2. Drain & refilled engine oil with 11 qt's Arco Shell w-65 3. Replaced oil filter CH48108 4. Clean, insp. air filter. 5. ground run for ops & leaks.
				Date 1-27-00 Total Time 3489.5 I certify that this eng. has been inspected for an ops 45, 11/1/00 & PCM and determine it to be in airworthy condition for return to service. <i>Ray Corder</i> AIP315379329 IA completed ops 4 insp comply with CSM inspection for an annual inspection ANNUAL DUE 1/31/01 <i>Ray Corder</i> 61554 9329 JA

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DATE 2000	RECORDING TACH TIME	TODAYS 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.)
8/22	3459.0	TSMO 640.8	3546.4 3489.5	Completed op 1 inspection per AD 2000-01-16 by visual inspection. Next due 3539 or 9/2000. Replaced oil and filter w/ Ashell w-100 and CH48108. Ground run for operation and leak check. This engine was inspected 1/10/00 by a Cessna Propulsion Care Ops 1 inspection and was found to be airworthy for return to service. <i>Chal D Warts</i> # AP299845554 IA
9/26/00	3507.4	TSMO 659.2	3564.8	Completed AD 2000-01-16(B) by visually inspecting aircraft exhaust system. No defects found. This system was inspected 1/10/00 by the AD and applicable FARs and was found to be airworthy for return to service. <i>Chal D Warts</i> # AP299845554 IA END
10/18/00	3512.0	663.8	3569.4	R/R both mags 1/10/00 C-335 w/ CH 74-10-00. Due for op 4 again at 4212.0 Hobbs. O/C normal @ ground run and test flight and were found airworthy for return to service. <i>Chal D Warts</i> # AP299845554 IA END
2/7/01	3538.9	690.7	3596.3	Completed annual inspection. Replaced engine oil and filter w/ Ashell w-65 and CH48108. Compression checks as follows: 1) 74/50 2) 74/50 3) 74/50 4) 72/50 5) 72/50 6) 72/50. Cleaned, gapped, and

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DATE 19 <u>99</u>	RECORDING TACH TIME	TODAYS 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.)
7-21-99	Hobbs	3338.2	7370H	490.0 TT engines 3398.0 1. Removed Cylinders # 2, 3, 4, 5, & 6 for low compression. 2. Installed reconditioal cylinders asys. PN EC 649 358 CN By Engine Components Inc. WO# 71280 / WO# 71195 / WO# 69631 Using New Pistons supplied by ECI. and new gaskets / wrist pins. 3. Installed New Intake Rocker arms. 4. Drain & Refilled engine oil with 12qts Aero Shell 100 mineral oil. 5. Replaced oil filter C-148108 6. Ground run and flight checked for operation, leaks, and braking. Certify that the above repairs have been performed I/A/w Certified maint. manual and returned to service. Larry Cullen ACP 365349329 7A

DATE 19 <u>99</u>	RECORDING TACH TIME	TODAYS 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.)
7-30-99	Hobbs.	7370 3387.2 539.7	TT ENLME 3447.7	1. Completed OP's 3 inspection 2. Drain engine oil 3. Refill engine with 12qts Aero Shell W-100 4. Compression check completed. #1 74/80 #2 74/80 #3 77/80 #4 77/80 #5 77/80 #6 180 5. Ground run for operation & leaks. Certify that this engine has been inspected I/A/w Cessna Progressive Care program for an OP's 3 inspection and determined it to be in a suitable condition for return to service. Larry Cullen ACP 365349329 7A

DATE 19 99	RECORDING TACH TIME	TODAYS 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.)
4-28-99	3294.3	TSMO 465.3		Completed OP's 1 inspection. Removed TACH. Generator SN 1492, installed TACH generator PN 224667 SN 4612. Removed Vacuum Pump mod. 442CW SN 06AK000405. Installed New Airborn mod. 442CW SN 12AP781 changed engine oil + Filter CH48108. checked, gapped, spark Plugs. Compression check completed. Ground run for operation + leaks. I certify that this engine has been inspected I/A/W Cessna progressive Care Program for an OP's 1 inspection and determined to be in airworthy condition for return to service. Larry Crank A+136554 9329 IA

DATE 19 99	RECORDING TACH TIME	TODAYS 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.)
5-4-99	1746.1	3298.0	TSMO	469.0 TT engine 3372.0 AD 99-09-17 CRANKSHAFT FAILURE D/W/A PER DATE OF MANUFACTURE Larry Crank ATP 36554 9329 IA
7-2-99	Hobbs	3338.2	TSMO 490.0	TT engine 3393.0 Completed PHASE 2 inspection Completed operation #5 + #6. 1. Drained + refilled engine oil with 13 qt. Arro shell w-100 2. Replaced oil filter with CH48108 3. Replaced oil sump Heli coil. 4. Replaced AIR/OIL SEPARATOR screen w/ new PN 201957-07. I certify that this engine has been inspected I/A/W Cessna Progressive Care program from OP's 2 inspection and determined to be airworthy for return to service. Larry Crank ATP 36554 9329 IA

DATE 19 <u>98</u>	RECORDING TACH TIME	TODAYS 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.)
10/7	3132.7			Changed Oil and Filter. Replaced w/ Aeroshell w-100 AD oil. Completed Ops 2 inspection. Replaced oil breather drain hose. No leaks noted on ground run. This engine has been inspected I/A/w an Ops 2 inspection of the Cessna Progressive Care Program and is approved for return to service Alpha D W... AP 29984354 GTND
11-27-98	Hobbs 3187.8	TT 3261.8		Tsmott 358.8 Completed Ops 3 inspection. Drained and refilled engine oil with 12qt Aeroshell w-65 oil. Cleaned + gapped spark plugs. This engine has been inspected in accordance with an Ops 3 inspection of the Cessna Progressive Care program and is approved for return to service. Ground run for leaks + operation OK Karys Crand AP 365549329 IA.

DATE 19 <u>99</u>	RECORDING TACH TIME	TODAYS 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.)
2-5-99	Hobbs 3240.0		TT Eng 3314.0	Ts no 411.0 1. Completed OP's 4 inspection this date. 2. Completed OP's 5 inspection this date. 3. Dressed Propeller blades. 4. REPLACED GIL FILTER CH 48-108 5. Ground run for operation + leaks completed. OK. This engine inspected I/A/w Cessna progressive care program for an OP's 4 + 5 and is approved for return to service. Karys Crand AP 365549329 IA.

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS 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.)
Sept 14, 1997, Tach time: 3037.7				total time: 3037.7. Performed 100 hr inspection dated this date. Performed compression check #1 $77/80$ #2 $74/80$ #3 $75/80$ #4 $71/80$ #5 $74/80$ #6 $64/80$. Drained and removed oil & filter and inspected oil & filter for metal, none found. Installed new oil filter PMCH48108 and serviced engine with 11qbs of derosshell 15w50. Cleaned & gaped & tested spark plugs. Installed two new plugs. Inspected exhaust system & turbo charger and cleaned induction filter & breather filter. Lubricated controls and performed visual check over engine. Ran engine up and performed operational check and leak check and ops & leak checks good. Inspected propeller for condition & operation and ops checks good. I certify that this engine & propeller was inspected in accordance with air 100hr inspection and was found to be in an airworthy condition. Terry Chung 38498 2268 AIP

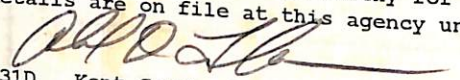
DATE 19 <u>98</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/17	3089.0			Completed an Ops 1 this date. changed oil and filter. found no metal in filter. Replaced spark plug in #5. Removed and replaced #1 cyl. due to low compression; #2: $65/80$ #3 $70/80$ #4 $65/80$ #5 $68/80$ #6 $65/80$. Replaced broken safety wire on alternator. Sent out prop gov. for overhaul. Serviced all spark plugs. Ground run-up revealed no leaks. This engine has been inspected in accordance with an Ops 1 of the Cessna Progressive Care Program and is approved for return to service. Terry Chung AIP 309883082IA AD 98-01-08 complied with at above date and time by replacement of exhaust rocker arm. Terry Chung AIP 309883082IA

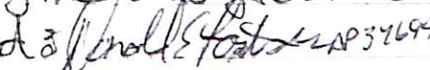
AMR COMBS GRAND RAPIDS INC.

Log Book Entry
Make: CESSNA
Left Engine

Date: 10/01/96 N # 6867C
Model: 335 S/N: 0061
Total Time: 2974.9

Took compression check of engine with the following results: #1) 72/80, #2) 72/80, #3) 74/80, #4) 72/80, #5) 72/80, #6) 70/80. Removed oil filter and inspected element and found no contamination, installed a new CH48108 filter. Performed a visual general inspection of engine and exhaust. Engine run-up, leak and operational checks normal.

The work identified above was performed in accordance with the current Federal Aviation Regulations and was found airworthy for re-turn to service. Pertinent details are on file at this agency under W/O # 28454 Signed:  for
DATED: 10/01/96
AMR COMBS GRR INC. CRS EAJR431D Kent County Int'l Airport, GRR, 49512.

DATE	RECORDING TACH TIME	TODAYS 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.)
1996				
11-5-96	2998.	HOBBS		Drained oil and Replaced Filter with a CH48108 Serviced sump with 12qts of 15W50 Aeroshell oil. Engine was ground Rmnd and No Leaks Noted.  10/5/96

AMR COMBS GRAND RAPIDS INC.

Log Book Entry
Make: CESSNA

Date: 01/23/97 N # 6867C
Model: 335 S/N: 0061
Tach Time: 3018.3

Changed oil and filter, cut open old filter and and no contamination was noted. Serviced engine with aeroshell 15W50. Washed down engine and ground checked no leaks noted.

The work identified above was performed in accordance with the current Federal Aviation Regulations and was found airworthy for re-turn to service. Pertinent details are on file at this agency under W/O # 29007 Signed:  for
DATED: 01/23/97
AMR COMBS GRR INC. CRS EAJR431D Kent County Int'l Airport, GRR, 49512.

DATE 19__	RECORDING TACH TIME	TODAYS 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.)
8-8-95	2870.0			Installed Overhauled Dual controller Model 470948-1 S/N MAR0129 and ground run & ops check O.K. Robert J. Schuch A91504764153
8-11-95	2874.4			Changed oil & filter serviced With 11qt Phillips 20W50XC oil & CH48108 filter ground run & leak check O.K. I certify that this <u>eng</u> has been inspected in accordance with a # <u>4</u> inspection and was determined to be in air- worthy condition. Robert J. Schuch #D: BR345D
9-7-95	2887.5			Swapped Dual controllers from Left side to Right side for trouble shooting purposes P/N 470948-1 S/N J B0113 Inst. on this side Robert J. Schuch A91304764153 IA

DATE 19__	RECORDING TACH TIME	TODAYS 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.)
10-23	2922.1 TSMOH 93.1	changed		19 filter serviced with 11qt Phillips 20W50XC oil & CH48108 filter. Comp over 80 as follows #1) 74 #2) 73 #3) 75 #4) 74 #5) 75 #6) 73 PERTINENT DETAILS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. <u>2326</u> DATE <u>10-23</u> , 19 <u>95</u> STAR, INC. SIGNED <u>Robert J. Schuch</u> RR 2, Box 396A, Spearfish SD 57783 FAA APPROVED STATION #DUBR345D
5-9-96	2959.3 TSMOH 130.3 TTE 3033.3			Q/w 100hr Insp. FAW FAR 43 APP'D' changed oil & filter serviced with 11qt Phillips 20W50XC oil & CH48108 filter. Comp over 80 as follows #1) 68 #2) 70 #3) 70 #4) 70 #5) 70 #6) 68 Ground run & leak check O.K. I certify that this <u>Engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in air- worthy condition. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. <u>2580</u> DATE <u>5-9</u> , 19 <u>96</u> STAR, INC. SIGNED <u>Robert J. Schuch</u> RR 2, Box 396A, Spearfish SD 57783 FAA APPROVED STATION #DUBR345D

DATE	RECORDING TACH TIME	TODAYS 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.)
19				
TSIO-520-EcEB S/N: 510405 TTE: 2903.0 HRS. W/O: 5718E DATE: 2/24/95				
This engine was modified per STC #SE8594SW to incorporate "Performance Engineering" roller rocker arms, P/N PE-92I and P/N PE-92E, in accordance with Form 13, dated may 5, 1988.				
Engine ratings remain the same and no change in weight and balance.				
Installation of engine to airframe not included.				
WEST STAR AVIATION, INC. Grand Junction, CO				Signature <u>[Signature]</u> CRS NO. WTXR173J

DATE	RECORDING TACH TIME	TODAYS 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.)
1995				
5/29	2829.0		05MOH	TTE 2903.0 This engine installed on 6867C Cessna 335 installed I certify that this engine has been inspected in accordance with a #3 inspection and was determined to be in air-worthy condition.
				PERTINENT DETAILS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 2263
				DATE 5-29, 1995
				SIGNED Robert J. Lehnich
STAR, INC R 2, Box 306A, Spearfish SD 57783 FAA APPROVED STATION #DUBR345D				
6-5-95	2840.8			Removed Fuel Pump part # 646210-11 serial # J1290248 & Installed serviceable Fuel pump part # 646210-11 serial # M3947 Reset Fuel Pressures, Test Flew OK Eagle #PS08929005

**WEST STAR AVIATION
ENGINE DIVISION**

MFG.: CONTINENTAL

MODEL: TSIO-520-EcEB

2856 Aviators Way
Grand Junction, CO.
(800) 255-4193

S/N: 510405 W/O: #5718E

DATE: 2/24/95

Gold Star zero time equivalent engine per Continental manual X30574A
Engine and accessories were remanufactured to factory new tolerances.See back section for a list of AD notes and manufacturers service bulletins that were complied with.
Total previous time: 2903.0 Hrs.
Time since overhaul: Test Cell.

The engine and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under Work Order #5718E dated 2/24/95.

Signature


WEST STAR AVIATION, INC.
Grand Junction, Colorado
CRS NO. WTXR173J

All applicable engine bulletins through this date 2/24/95 checked for compliance. This engine was run in a test cell.

Warranty number:

002301

Warranty start date:

6-1-95

THESE ACCESSORIES WERE OVERHAULED AND SUPPLIED WITH THIS ENGINE.

MODEL: TSIO-520-EcEB

S/N: 510405

DATE: 2/24/95

W/O: #5718E

ITEM:	P/N:	S/N:	ITEM:	P/N:	S/N:
L. MAG.	10-163020-3	86270047	R. MAG	10-163060-1	19054
STARTER:	MHJ 4003	8H000011	FUEL PUMP:	040210-11	J129024BR
INJECTOR:	632916-8	J169001AR	CARB.	N/A	
MAN. VALVE:	634326-10A4	J119008CR	TURBO.	400010-9025	SIR0288
HYD. PUMP:	N/A		VAC. PUMP:	N/A	
ALTERNATOR:	N/A		GENERATOR:	N/A	
PROP. GOV.:	N/A		TACH. GEN.:	N/A	
WASTE GATE:	N/A		CONTROLLER:	N/A	
CONTROLLER:	N/A		REL. VALVE:	N/A	

WEST STAR AVIATION, INC.
Grand Junction, CO.

Signature


CRS NO. WTXR173J