

2

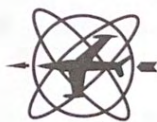


The Standard

ENGINE LOG

ASA-SE-1

G.E. SIMPSON
1925 CANADAIN CT
Port Orange, FL 32128
386-383-0317 CELL
386-304-3671 Home



The Standard

ENGINE LOG #2

N 514CS

ASA-SE-1

Engine Record General Information

Manufacturer Teledyne Continental Model IO-520 B43

Serial 241712R Type Certificate _____

This engine is currently installed in aircraft N5746K N514CS

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

Registered Owner Record

Name G.C. Simpson Address 1925 Canadair Ct.
City Pont Orange State FL From 11-11-16 To _____
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____

YEAR: 2017 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE SMOH	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.)
2-11	1756.4		849.37	Drained oil + serviced with 10 qts Aeroshell 100w (50wt) Replaced oil filter with Champion CH 48108-01 G.C. Simpson 1557293 ATP
5/29	1790.3		883.27	Drained oil + serviced with 10qt Aeroshell 100w (50wt) Replaced oil filter with Champion CH 48108-01 G.C. Simpson 1557293 ATP
7/12	1822.91		915.88	Drained oil + serviced with 10qt Aeroshell 100w (50wt) Replaced oil filter with Champion CH 48101-01 G.C. Simpson 1557293 ATP

YEAR: 2017 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.)
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N514CS (Engine)

Beechcraft S35 S/N: D7533

Engine M/N: IO-520-BA3



S/N: 241712R

12/12/2017

Tach: 1872.7

Eng TT: 2093.6

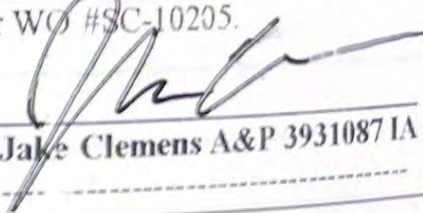
Eng TSMOH: 965.7

Performed the following maintenance:


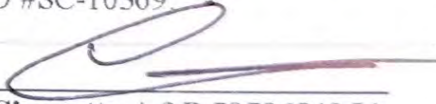
1. Performed an Annual inspection referencing the Beechcraft S35 Maintenance Manual.
2. Performed a compression test with the following results: #1 65/80, #2 70/80, #3 75/80, #4 72/80, #5 72/80, and #6 70/80.
3. Verified the installed Magnetos: L/H - M/N: S6RN-201; P/N: 10-163020-3; S/N: E17CA017R and R/H - M/N: S6RN-205; P/N: 10-163060-1; S/N: E17CA016R.

I certify that this **Engine** has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Work performed in accordance with the current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC-10205.

Daytona Aircraft Services, Inc.
 561 Pearl Harbor Drive
 Daytona Beach, Florida 32114

Authorized Signature: 
 Jake Clemens A&P 3931087 IA

-----END-----

YEAR:	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.)
DATE				
				
				1/10/2019
				Tach: 1956.1
				Eng TT: 2177.0
				Eng TSMOH: 1049.1
				<p>N514CS (Engine) Beechcraft S35 S/N: D7533 Engine M/N: IO-520-BA3 S/N: 241712R</p> <p>Performed the following maintenance:</p> <ol style="list-style-type: none"> 1. Performed an Annual inspection referencing the Beechcraft S35 Maintenance Manual. 2. Performed a compression test with the following results: #1 75/80, #2 72/80, #3 70/80, #4 68/80, #5 73/80, and #6 76/80. <p>I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Work performed in accordance with the current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC-10369</p> <p>Daytona Aircraft Services, Inc. 561 Pearl Harbor Drive Daytona Beach, Florida 32114</p>
				<p>Authorized Signature: </p> <p>Curt Ciancetta A&P 50506840 IA</p>
				-----END-----

YEAR: 2019 DATE	RECORDING TACH TIME	TODAY'S FLIGHT SMOOTH	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.)
5/17	1982.0	1075.1	2203	REPLACED RT EXHAUST Manifold PART# A35-95505 AND LT EXHAUST Muffler PART# A701-19 INSTALLED PER MANUFACTURER SPEC'S, GROUND ROLL ALL OK Fuel Filter 1550680 ATP AE
7/13	2002.53	1095.53	2233.53	Drained oil & serviced with 11 qts Amsoil 100w(50w+) Replaced oil filter with Tenn AA48108-2 Ran Engine - NO Leaks AC Impres 1557293 AT?

YEAR:	RECORDING	TODAY'S	TOTAL	Description of Inspections. Tests. Repairs and Alterations	or Repair
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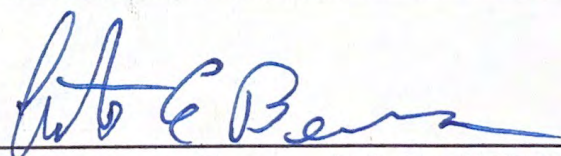
DATE	Engine Mfg.: Continental SN; 241712R	Model; IO-520-BA3 Tach; 2018.6 Hr.	Date; Jan. 03, 2020 TSOH; 2086.0 Hrs		
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Checked air ducts, fluid lines, & hoses for leaks. Checked all power plant controls for proper operation. Checked engine baffles. Engine cold compression values were the following; #1=58/80; #2=68/80; #3=70/80; #4=60/80; #5=78/80; #6=76/80. Calibrated Orifice = 42/80. Performed borescope inspection of cylinders. This engine complies with Teledyne Service bulletin # M84-15, (Cylinder Leakage Check). Ran up engine. Checked for oil leaks. No leaks found. Performed annual inspection IAW FAR Part 43, app. D & Beechcraft inspection guide P/N 98-32227H.

The following ADs were researched for AD compliance.

16-16-12 ECI cylinders **Cylinders must be removed TT 2067.0 Hrs.**

INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.


Curtis E. Beers, A & P 3063640 IA

YEAR: <u>2020</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
				<p>May 7, 2020 Tach: <u>2032.9</u> <u>SMOH 1125.4</u> <u>STOP 0</u></p> <p>N514CS</p> <p>Complied with AD 2016-16-12, amend 39-18610, removal and replacement of all ECI cylinders. Removed starter, alternator, propeller governor, intake and exhaust systems, baffling, and ancillary equipment to access removal of all ECI cylinders. Disassembled valve train and removed cylinders. Inspected camshaft and lifter assemblies in accordance with SID05-1B and found all surfaces free and clear from spalling or abnormal wear patterns. Fit ring set to owner-supplied Superior cylinders in accordance with Superior SL# L05-09B and installed cylinders with new TCM piston pins, P/N 630046. Cylinder crankcase torqued in accordance with IO-520-BA Overhaul Manual, P/N X30039, Chg 8, dated October 2013 using the sequence and step torque procedure outlined therein. Installed cylinders are identified as follows:</p> <ol style="list-style-type: none"> 1. 526-C20-42410 2. 526-C20-42405 3. 526-C20-42409 4. 526-C20-42407 5. 526-C20-42399 6. 526-C20-42401 <p>Crankshaft end play and propeller rotational tension checked before and after cylinder removal and replacement and the results are as follows with valve train removed:</p>

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
2020	2032.9			Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

As Found:

Break away at propeller: 4.6 - 5.2 pound force

Rotational effort: 2.5 - 3.0 pound force

End Play nominal

As Left:

Break away at propeller: 6.6 - 8.0 pound force

Rotational effort: 5.0 - 6.0 pound force

End Play nominal: No change

These force findings found acceptable in accordance with TCM Service Bulletin M89-14, dated June 29, 1989 and AD 89-14-01, amendment 39-6308.

Cylinders installed with all new seals, gaskets, hoses, and associated hardware.

Removed all fuel lines and replaced with new hose kit supplied by Precision Hose

Technology under WO# 611779. Replaced all spark plugs with new Tempest URHB32E and

replaced ignition harness with new TCM P/N 10-423674-1. Accessories reinstalled with

new seals and gaskets and baffling repaired, as required. Engine serviced with Aeroshell

100 mineral oil and new oil filter. Engine pre-oiled, degreased, and ground run. Leak check

complete. This engine is approved for return to service.

Paul A. Brevard
Paul A. Brevard

212668035IA

CROSSFIRE
MAINTENANCE SERVICE

YEAR: 2020 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE SMOH	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.)
JUL 11	2056.83		1149.33	1149.33 Drained oil + serviced with 11 qts
		STOP	23.9	Aeroshell W100 (50wt) Plus. R/R oil filter with Tempest AA48108-2 Ran engine - No leaks H.C. Simpson 1557293 ATP
Sep 3	2065.0			Add 1 qt oil
Dec 14	2087.6		1180.1	Drained oil + serviced with 11 qts Aero-
		STOP	54.67	Shell W100 (50wt) Plus. R/R oil filter with Tempest AA48108-2 Ran engine - no leaks. H.C. Simpson 1557293 ATP
May 2 2021	2104.7			Add 1 qt

N514CS (Engine)

Beechcraft S35 S/N: D7533

Engine M/N: IO-520-BA3



S/N: 241712R

STOH 59.97

2/01/2021

Tach: 2092.4

Eng TT: 2313.3

Eng TSMOH: 1185.4

Performed the following maintenance:

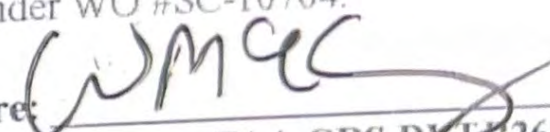
1. Performed an Annual inspection referencing the Beechcraft S35 Maintenance Manual.
2. Performed a compression test with the following results: #1 74/80, #2 76/80, #3 77/80, #4 76/80, #5 76/80, and #6 76/80.

I certify that this **Engine** has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Work performed in accordance with the current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC-10764.

Daytona Aircraft Services, Inc.

561 Pearl Harbor Drive

Daytona Beach, Florida 32114

Authorized Signature: 

FAA CRS DYTR262K

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W. M. C.

YEAR: <u>2021</u> 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.)
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N514CS (Engine)
Beechcraft S35 S/N: D7533
Engine M/N: IO-520-BA3

S/N: 241712R

6/21/2021
Tach: 2114.1

Performed the following maintenance:

1. Drained the engine oil. Removed, cut open, and inspected the oil filter, no defects noted. Installed a new Oil Filter (P/N: CH48108-1) and serviced the engine with 11 quarts of Aeroshell 100+ oil. Leak checks found to be satisfactory.

All work was performed with current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC10884.

Daytona Aircraft Services, Inc.
561 Pearl Harbor Drive
Daytona Beach, Florida 32114

Authorized Signature: 
FAA CRS DYTR262K

-----END-----

set 16 2128.4

Add 1 qt

YEAR: <u>2022</u> 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.)
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STOH = 118.17

N514CS (Engine)

Beechcraft S35 S/N: D7533

Engine M/N: IO-520-BA3

S/N: 241712R



3/03/2022

Tach: 2142.6

Eng TT: 2363.5

Eng TSMOH: 1235.6

Performed the following maintenance:

1. Performed an Annual inspection referencing the Beechcraft S35 Maintenance Manual.
2. Performed a compression test with the following results: #1 60/80, #2 70/80, #3 70/80, #4 70/80, #5 70/80, and #6 70/80.
3. Drained the engine oil. Removed, cut open, and inspected the oil filter, no defects noted. Installed a new oil filter (P/N: AA48108-2) and serviced the engine with 12 quarts of Aeroshell 100W+ oil.

I certify that this **Engine** has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Work performed in accordance with the current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC11107.

Daytona Aircraft Services, Inc.
 561 Pearl Harbor Drive
 Daytona Beach, Florida 32114

Authorized Signature:

[Handwritten Signature]
 FAA CRS DYT1262K

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YEAR: <u>2022</u> 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.)
7/14	2159.5			Add 1 qt Aeroshell 100+ GCS
10/26	2172.3			" " " " GCS
12-14	2275.51		2396.41	Drained oil + serviced with 11 qts.
			1268.51	SMOH Aeroshell w100 (50wt) Plus R/R
			151.08	STOH oil filter with Tempest AA48108-2
				Ran engine - No leaks Mc Simpson 1557293 ATP

YEAR: TACH TIME DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection, 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.)
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YE
18
D/

23
DATE

N514CS (Engine)
Beechcraft S35 S/N: D7533
Engine M/N: IO-520-BA3



S/N: 241712R

4/19/2023
Tach: 2183.8
Eng TT: 2404.7
Eng TSMOH: 1276.8

Performed the following maintenance:

1. Performed an Annual inspection referencing the Beechcraft S35 Maintenance Manual.
2. Performed a compression test with the following results: #1 60/80, #2 65/80, #3 60/80, #4 60/80, #5 68/80, and #6 60/80.
3. AD 2023-02-12 is not applicable (N/A) due to affected cylinders are not installed.
4. AD 2023-05-16 is not applicable (N/A) due to affected crankshafts are not installed.
5. Removed the JPI Engine Monitor.

I certify that this **Engine** has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Work performed in accordance with the current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC11317.

Daytona Aircraft Services, Inc.
561 Pearl Harbor Drive
Daytona Beach, Florida 32114

Authorized Signature:

FAA CRS DYTR262K

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YEAR: <u>2023</u>	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.)
DATE <u>5-1</u>	<u>2186.57</u>			<u>Add 1qt Aeroshell 100+ GCS</u>
<u>7/1</u>	<u>2206.62</u>		<u>2427.5</u>	<u>Drained oil + serviced with 11qts</u>
		<u>SMOH</u>	<u>1299.62</u>	<u>Aeroshell W100 Plus (50wt) APR</u>
		<u>STOM</u>	<u>182.19</u>	<u>oil filter with Tempstat AA48108</u>

John McAmerson
7/03/2023
ATP

N514CS (Engine)

Beechcraft S35 S/N: D7533

Engine M/N: IO-520-BA3

S/N: 241712R



Performed the following maintenance:

1. Removed, cut open, and inspected the oil filter, no defects noted. Installed a new oil filter (P/N: AA48108-2). Operational and leak checks found to be satisfactory.

All work was performed with current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #SC11365.

Daytona Aircraft Services, Inc.

561 Pearl Harbor Drive

Daytona Beach, Florida 32114

Authorized Signature:

Kevin Card A&P 3392461

Tach: 2206.62

