

N5288J

1976 Cessna 421C

LH Engine

Logbook

SMOH | 292014-R

2002 - 2024

MSN: 421C-0158



RidgeAire
WORLDWIDE
aviation specialists

Prepared by the worldwide aviation specialists at RidgeAire, Inc.



ENGINE MAINTENANCE RECORDS

Aircraft Registration N5288J
Engine Position Left
Engine Serial No. 292014-R



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N5288J

Engine Manufacturer TCM

Model GTS10-520-L

Serial No. 292014-R

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

Right Left

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708

254/752-8381

FAX 254-752-3307

1-800-445-9713

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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
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TOTALS brought forward from previous page

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1056.8



DATE: 08-23-02
W.O. #: 12252
TOTAL TIME: 4358.1
TTSMOH: 00.0

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275 AND 714-433-2276

FAA APPROVED REPAIR STATION # JVR016L
CIRUS DESIGN AUTHORIZED REPAIR STATION

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 08-23-02 SIGNED: *Jamuel Chanley*

Installed factory RAM Overhauled engine into the left side of N5288J on this date.
Engine installed using new mounts, baffles, torqued engine, serviced with 13 quarts of Mineral Oil.
C/W an ANNUAL INSPECTION
Engine Run up and checked for oil leak, no leaks found at this time. END

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1086.7



DATE: 10-29-02
W.O. #: 12502
TOTAL TIME: 4388.0
TTSMOH: 29.9

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275 AND 714-433-2276

FAA APPROVED REPAIR STATION # JVR016L
CIRUS DESIGN AUTHORIZED REPAIR STATION

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 10-29-02 SIGNED: *Jamuel Chanley*

Oil & Filter changed, serviced with 13 quarts of A/S 15x50 Oil & CH48111 filter. AOA taken. Run Up Inspection completed. END
--

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1156.3



DATE: 06-16-03
W.O. #: 12990
TOTAL TIME: 4457.6
TTSMOH: 99.5

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275 AND 714-433-2276

FAA APPROVED REPAIR STATION # JVR016L
CIRUS DESIGN AUTHORIZED REPAIR STATION

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 06-16-03 SIGNED: *Jamuel Chanley*

Oil & Filter changed, serviced with 13 quarts of A/S 15x50 Oil & CH48111 filter. AOA taken. Run Up Inspection completed. END
--

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
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TOTALS brought forward from previous page

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1192.8



DATE: 09-29-03
W.O. #: 13205
TOTAL TIME: 4494.1
TTSMOH: 136.0

LEFT ENGINE LOG

2986 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275 AND 714-433-2276

FAA APPROVED REPAIR STATION # JVR016L
CIRRUS DESIGN AUTHORIZED REPAIR STATION

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 09-29-03 SIGNED: *[Signature]*

C/W an ANNUAL INSPECTION. Serviced wit 12 quarts of A/S 15W50 oil & CH48111 Filter. AOA taken.
Comp 1 78/80 2. 72/80 3. 70/80 4. 68/80 5. 78/80 6. 68/80
Run up Inspection completed, checked ok at this time. END

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1251.4



DATE: 03-03-04
W.O. #: 13611
TOTAL TIME: 4552.7
TTSMOH: 194.6

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275 AND 714-433-2276

FAA APPROVED REPAIR STATION # JVR016L
CIRRUS DESIGN AUTHORIZED REPAIR STATION

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 03-03-04 SIGNED: *[Signature]*

Oil & Filter changed, serviced with 13 quarts of A/S 15x50 Oil & CH48111 filter. AOA taken. Run Up Inspection completed. END

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1304.0



DATE: 10-05-04
W.O. #: 14014
TOTAL TIME: 4605.3
TTSMOH: 247.2

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275 AND 714-433-2276

FAA APPROVED REPAIR STATION # JVYR016L
CIRRUS DESIGN AUTHORIZED REPAIR STATION

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 10-05-04 SIGNED: *[Signature]*

C/W an ANNUAL INSPECTION. Serviced wit 12 quarts of A/S 15W50 oil & CH48111 Filter. AOA taken.
Comp. 1. 76/80 2. 75/80 3. 75/80 4. 75/80 5. 75/80 6. 75/80
Run up Inspection completed, checked ok at this time. END

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				

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: N/A



DATE: 11-04-05
W.O. #: 14818
TOTAL TIME: N/A
TTSMOH: N/A

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275

FAA APPROVED REPAIR STATION # JVR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 11-04-05

SIGNED: _____

Serviced Engine with 2.5 qts of A/S 100W.

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1429.1



DATE: 11-07-06
W.O. #: 15432
TOTAL TIME:
TTSMOH: 372.3
92K

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275

FAA APPROVED REPAIR STATION # JVR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 11-07-06

SIGNED: _____

C/W an ANNUAL INSPECTION, Serviced with 12 qts. of A/S 15W50 and CH48111-1 Oil Filter. AOA Taken.
Compression. 1. 79/80 2. 70/80 3. 75/80 4. 70/80 5. 74/80 6. 50/80
C/W with all AD's Throughout 2006-22 AD Compliance Record.

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
TACH TIME: 1430.0
H0005



DATE: 11-27-06
W.O. #: 15629
TOTAL TIME:
TTSMOH: 373.2
92K

LEFT ENGINE LOG

2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # JVR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

DATE: 11-27-06

SIGNED: _____

R&R L/H Engine Turbo Controller Following Overhauled by Main Turbo Systems, under W.O.# 35484

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

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
HOBBS TIME: 1485.8



DATE: 08-23-07
W.O. #: 16326
TTSMOH: ~~56.7~~

429.0
92K

LEFT ENGINE LOG
2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # ~~JVR016L~~ JYR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

SIGNED: _____

R&R LEFT STARTER AFTER OVERHAULED. P/N MHJ-4003. S/N 8K000430.

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
HOBBS TIME: 1486.7



DATE: 08-27-07
W.O. #: 16339
TTSMOH: ~~52.6~~

429.7
92K

LEFT ENGINE LOG
2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # ~~JVR016L~~ JYR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

SIGNED: _____

SERVICED WITH 13 QTS OF A/S 15W50, CH48111-1 OIL FILTERS, AND AN900-10 CRUSH WASHERS. AOA TAKEN. ENGINE WASHED, RUN UP & INSPECTED. OPERATIONAL CHECKED SATISFACTORY.

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
HOBBS TIME: 1501.0



DATE: 12-03-07
W.O. #: 16434
TTSMOH: ~~7.0~~

444.2
92K

LEFT ENGINE LOG
2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # ~~JVR016L~~ JYR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

SIGNED: _____

ANNUAL INSPECTION PERFORMED C/W IAW CESSNA SERVICE AND MAINTENANCE MANUAL.
COMPRESSION CHECKED. 1. 75/80 2. 73/80 3. 75/80 4. 73/80 5. 75/80 6. 73/80
SERVICED WITH 13 QTS OF A/S 15W50 AND CH48111-1 OIL FILTER. AOA TAKEN.
ENGINE WASHED, RUN UP & INSPECTED. OPERATIONAL CHECKED SATISFACTORY.
R&R SPARK PLUGS WITH NEW. P/N RHB32E.
INSTALLED NEW SEALS ON WASTEGATE. P/N 28775-4 AND 28775-6.
C/W AD2007-05-15 IAW MSB94-46 PART 2 AND 3. FOUND WITHIN LIMITS. INSTALLED NEW GASKET. P/N 653749.
C/W AD200-01-16 ON EXHAUST.
C/W ALL AD'S THROUGHOUT THIS DATE.

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

N5288J
S/N: 292014-R
MODEL: GTSIO-520-L
HOBBS TIME: 1602.0



DATE: 01-28-10
W.O. #: 18030
TTSMOH: ~~1729~~
545.2
92K

LEFT ENGINE LOG
2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # JVYR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

SIGNED: _____

R&R OIL AND OIL FILTER W/NEW. 10 QTS A/S 15W50 AND CH48111-1 FILTER. INSPECTED OLD OIL FILTER. NO DEBRIS FOUND.
REMOVED AND REINSTALLED PROP GOVERNOR (MODEL # DCFS290D7/T6; S/N 790228) AFTER OVERHAUL PERFORMED BY OUTSIDE VENDOR UNDER INV # 27292-OH.

N5288J
S/N: 245802-R
MODEL: GTSIO-520-L
HOBBS TIME: 1613.3



DATE: 08-06-10
W.O. #: 18298
TTSMOH: 556.5

LEFT ENGINE LOG
2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # JVYR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

SIGNED: _____

C/W ANNUAL INSPECTION IAW CESSNA SERVICE AND MAINTENANCE MANUAL.
COMPRESSION CHECKED. LEFT 1. 78/80, 2. 48*/80, 3. 75/80, 4. 70/80, 5. 78/80, 6. 72/80
*CYLINDER RINGS NOT SEATED
SERVICED WITH 13 QTS OF A/S 15W50 AND CH48111-1 OIL FILTER. AOA TAKEN. ENGINE WASHED, RUN UP AND INSPECTED. OPERATIONAL CHECK SATISFACTORY.
INDUCTION AIR FILTER CLEANED AND INSPECTED.
C/W AD2000-01-16 EXHAUST INSPECTION IAW CESSNA SB MEB99-6-9-12.
R&R SPARK PLUGS W/NEW. P/N RHB32E.
C/W ALL ADS THROUGHOUT THIS DATE.

N5288J
S/N: 245802-R
MODEL: GTSIO-520-L
HOBBS TIME: 1630.1



DATE: 10-07-10
W.O. #: 18500
TTSMOH: 573.3

LEFT ENGINE LOG
2980 AIRWAY AV., COSTA MESA, CA 92626
TEL: 714-433-2275
FAA APPROVED REPAIR STATION # JVYR016L

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR / REPLACEMENT ARE ON FILE AT THIS AGENCY.

SIGNED: _____

REMOVED AND REINSTALLED LH ENGINE MAGNETOS AFTER REPAIR BY OUTSIDE VENDOR UNDER INV # 32947-8.
TESTED OK.

TOTALS—Carry forward to next page

ENGINE MODEL: GTSIO-520-L
ENGINE S/N (L): 292014-R
REG. NO. N5288J
WORK ORDER: 20121008-1M



Hangar One Avionics

Repair Station No. 1HGR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 4/1/2013
A/C TSN: 5820.7
ENG TT (L):
TSMOH (L): 666.3
HOBBS: 1723.3

Left Engine Entries

Completed Annual Inspection IAW the Cessna Inspection Check list as applicable and FAR 43 Appendix "D"

Executed FAA form 337 due to a lack of documentation for the installation of a Shadin Fuel Flow transducer in accordance with STC# SE612GL.

Executed FAA form 337 due to a lack of documentation for the installation of RAM modified Induction Clamps in accordance with STC# SE3767SW-D.

CW TCM SB03-3, Borescope revealed normal indications for in-service cylinders. Performed a differential compression check as follows: 1) 73/80 2) 72/80 3) 74/80 4) 73/80 5) 74/80 6) 75/80. Note: TCM Calibrated orifice tool reading=42/80.

Drained oil and removed oil filter, cut open filter and found no contaminants, installed new filter P/N CH48111-1, new MS35769-11 oil drain plug gasket and serviced engine with 13qts of Aeroshell oil AS15W50.

Cleaned fuel injector nozzles in ultrasonic cleaner, reinstalled nozzles with 12ea new P/N 630979-9 o-ring seals, 6ea new P/N 633958-3 packings and 6ea new P/N 640612 seals.

Cleaned, inspected, gapped, rotated and reinstalled spark plugs.

Removed, inspected, cleaned and reinstalled fuel metering screen with new P/N 649983 gasket.

Removed intercooler to gain access to magnetos for timing. Reset LH and RH magneto timing per engine data plate spark advance. Reinstalled intercooler with new seal P/N MS9021-252.

Replaced #3 cylinder induction clamp P/N 1170-1.

Removed defective and unneeded magneto pressurization filter system and installed OEM magneto vent plugs.

Removed propeller and crank seal, de-sludged forward crankshaft flange. Cleaned out crank seal cavity and installed new seal P/N 641250 bonded seal using Reinstalled propeller using new A1633-49 o-ring.

Engine fuel system set up per TCM SID97-3E. Operational and leak check satisfactory.

#2 Fuel injector found clogged during run-up. Removed #2 fuel injector, cleaned and reinstalled. Final run-up revealed no defects.

Removed Left hydraulic pump drive pad assembly, removed defective seal, cleaned unit and installed new seal P/N 25102, reinstalled pad assembly with new gasket P/N 654012 and reinstalled Hydraulic Pump with new P/N 653487 gasket.

Annual / I certify that this ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition --end--

This aircraft, airframe, or appliance identified above has been repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and Manufacturer data and is approved for return to service.

DATE: 4/1/2013

SIGNED:

Mike Clingerman
Certified Repair Station No. 1HGR058B

Work Order: 20121008-1M

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ENGINE MODEL: GTSIO-520-L
ENGINE S/N (L): 292014-R
REG. NO. N5288J
WORK ORDER: 20130515-1M



Hangar One Avionics

Repair Station No. 1HGR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 6/6/2013
A/C TSN: 5824.5
ENG TT (L): 3.8
TSMOH (L): 670.1
HOBBS: 1727.1

Left Engine Entries

Pilot reports LH engine shy on MAP as well as Fuel Flow by 1.5GPH on take-off. Increased MAP 1/2 turn. Aircraft ready for check flight.

This aircraft, airframe, or appliance identified above has been repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and Manufacturer data and is approved for return to service.

DATE: 6/6/2013

SIGNED:

David Corish
Certified Repair Station No. 1HGR058B

Work Order: 20130515-1M

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N5288J 11/09/13 Habbs. 175304 Left Engine
Oil and filter changed with Aeroshell 15W50, run and checked
for proper operation.
Dph Corish

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

ENGINE MODEL: GTSIO-520-L
ENGINE S/N (L): 292014-R
REG. NO N5288J
WORK ORDER: 20140505-2M



Hangar One Avionics

Repair Station No. 1HGR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 6/18/2014
A/C TSN: 5888.7
ENG TT (L):
TSMOH (L): 734.3
HOBBS: 1791.3

Left Engine Entries

Completed Annual Inspection IAW the Cessna Inspection Check list as applicable and FAR 43 Appendix "D"

CW TCM SB03-3, Borescope revealed normal indications for in-service cylinders. Performed a differential compression check as follows: 1) 75/80 2)73/80 3)74/80 4)75/80 5) 72/80 6)75/80. Note: TCM Calibrated orifice tool reading=43/80.

Drained oil and removed oil filter, cut open filter an found no contaminants, installed new filter P/N CH48111-1, new MS35769-11 oil drain plug gasket and serviced engine with 13qts of Aeroshell oil AS100WPlus

Cleaned fuel injector nozzles in ultrasonic cleaner, reinstalled nozzles with 12ea new P/N SA630979-9 o-ring seals, 6ea new P/N SA633958-3 packings and 6ea new P/N SA640612 seals. Removed worn injector sleeve assemblies and installed new 6ea P/N 640501 Sleeve Assemblies and replaced upper deck hose using 2 ft of MIL-H-6000 1/2" hose and existing clamps.

Gapped and installed 12 new P/N RHB32E spark plugs.

Removed, inspected, cleaned and reinstalled fuel metering screen with new P/N 649983 gasket.

Reset LH magneto timing per engine data plate spark advance.

Ground run, operational, leak and FOD checks satisfactory.

Annual / I certify that this ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition --end--

This aircraft, airframe, or appliance identified above has been repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and Manufacturer data and is approved for return to service.

DATE: 6/18/2014

SIGNED:

Mike Clingerman
Certified Repair Station No. 1HGR058B

Work Order: 20140505-2M

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20.5

Chino Aviation Inc

7000 Merrill Ave. Hangar A-340 Chino CA 91710

N5288J Aircraft hobbs:1805 05/17/2015 Left Engine TSO: 748.0

Inspected engine, inspected oil filter for metal, none found, compression checked: #1 76/80, #2 76/80, #3 74/80, #4 74/80, #5 74/80, #6 77/80 Inspected, cleaned and tested all spark plugs, inspected exhaust system,

Engine serviced with Aeroshell 100w Plus and new 48109-2 filter.

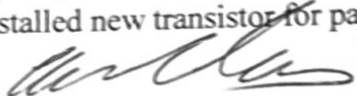
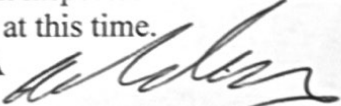
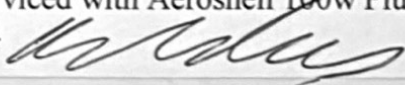
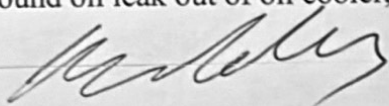
Engine ground run and checked for leaks

I certify that this Engine has been inspected In accordance with an Annual Inspection and found Airworthy at this time.

Agustin Cendejas AP26065641A

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
<p><i>Chino Aviation Inc.</i> 7000 Merrill Ave. #33 Hangar A-340 Chino CA 91710 N5288J Hobbs:1855.1 02/09/2016 Left Engine Oil and filter changed both engines, serviced with Aeroshell 100w Plus oil replaced 3 cabin light bulbs, installed new transistor for panel lighting Agustin Cendejas AP2606564 </p>				
<p><i>Chino Aviation Inc</i> 7000 Merrill Ave. Hangar A-340 Chino CA 91710 N5288J Aircraft hobbs:1871.8 06/10/2016 Left Engine TSO: 814.8 Inspected engine, inspected oil filter for metal, none found, compression checked: #1 76/80, #2 78/80, #3 75/80, #4 74/80, #5 75/80, #6 75/80 Inspected, cleaned and tested all spark plugs, inspected exhaust system, replaced tachometer generator with overhauled P.N. H60-050 Serial no. 20165 from Precision instruments. Engine serviced with Aeroshell 100w Plus and new 48109-2 filter. Engine ground run and checked for leaks I certify that this Engine has been inspected In accordance with an Annual Inspection and found Airworthy at this time. Agustin Cendejas AP2606564IA </p>				
<p><i>Chino Aviation Inc.</i> 7000 Merrill Ave. #33 Hangar A-340 Chino CA 91710 N5288J Hobbs: 1878.6 12/14/2016 Left Engine Oil and filter changed both engines, serviced with Aeroshell 100w Plus oil replaced Agustin Cendejas AP2606564 </p>				
<p><i>Chino Aviation Inc.</i> 7000 Merrill Ave. #33 Hangar A-340 Chino CA 91710 N5288J Hobbs: 1900.0 02/13/2017 Left Engine Washed engine compartment, found oil leak out of oil cooler, tightened fittings and pressure plug, Agustin Cendejas AP2606564 </p>				

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				TOTALS brought forward from previous page
<p><i>Chino Aviation Inc</i> 7000 Merrill Ave. Hangar A-340 Chino CA 91710 N5288J Aircraft hobbs: 1920 07/09/2017 Left Engine TSO: 863.0 Inspected engine, inspected oil filter for metal, none found, compression checked: #1 79/80, #2 76/80, #3 72/80, #4 76/80, #5 76/80, #6 76/80 Inspected, cleaned and tested all spark plugs, inspected exhaust system, Engine serviced with Aeroshell 100w Plus and new 48109-2 filter. Replaced Crankshaft seal with new. Engine ground run and checked for leaks I certify that this Engine has been inspected In accordance with an Annual Inspection and found Airworthy at this time. Agustin Cendejas AP2606564IA </p>				
<p><i>Chino Aviation Inc.</i> 7000 Merrill Ave. #33 Hangar A-340 Chino CA 91710 N5288J Hobbs:1930 02/05/2018 Left Engine Oil and filter changed both engines, serviced with Aeroshell 100w Plus oil replaced 3 cabin light bulbs, installed new transistor for panel lighting Agustin Cendejas AP2606564 </p>				



7929 Karl May Dr.
 Waco, Texas 76708
 CRS No. AK6R541N


Engine TT: 5277.8
 Engine SMOH: 919.4 (7/02)
 Prop SMOH: 547.1 (09/06)
 Hour Meter: 1976.2
 Date: 11/01/2018

Continental GTSIO-520-L S/N L-292014-R

On above referenced engine, removed all cowling for 100 Hour/Annual Inspection. Cleaned and gapped spark plugs. Drained oil, installed new oil filter and refilled engine with Aeroshell mineral oil. Checked magneto timing. Inspected plug harness and all engine electrical. Checked all engine controls for movement and attach points. Inspected intake and exhaust system, condition and integrity of all engine accessories. Inspected engine mounts, all baffles and cowling. Inspected prop, spinner and bulkhead. Inspected all fuel, oil and hydraulic lines and fittings. Ran compressions and readings were: 1) 75/80, 2) 70/80, 3) 78/80, 4) 75/80, 5) 75/80, 6) 70/80. C/W A.D. 2000-01-16 per paragraphs (b), (c), (d) and (e). (Paragraph (b) next due at 2026.2 HM.) C/W A.D. 2007-05-15 per para. (2) and (3). Para. (2) readings were: 1) .031 2) .031, 3) .030, 4) .030. (Para. (2) next due at 2076.2 HM.) (Para. (3) next due at 2376.2 HM.) Installed overhauled magnetos, P/N 10-349220-4, S/N F13EGN03 and 10-349260-7, S/N K140004FR. (See tags.) Installed overhauled vacuum pump, P/N AA441CC. Installed new turbo mount bracket. Installed new lifters, P/N 630046. Installed new prop spinner. Engine systems set-up to GTSIO-520-L Specs. All A.D.'s (See tags.) Installed new piston pins, P/N 630046. Installed new prop spinner. Engine systems set-up to GTSIO-520-L Specs. All A.D.'s researched through bi-weekly 2018-20. See A.D. listing in log binder for all current and future compliance times. Above work done in accordance with Continental and Cessna Service Manuals and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and approved for return to service. Pertinent details are on file under work order 4644.


 Air Impressions, Inc.
 CRS# AK6R541N

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				TOTALS brought forward from previous page
 <p>7929 Karl May Dr. Waco, Texas 76708 CRS No. AK6R541N</p>				<p>I certify this <u>Engine</u> has been inspected in accordance with a 100 HR. Inspection and has been determined to be in an airworthy condition.</p> <p>DATE <u>11/01/2018</u> HM <u>1976.2</u> ENGINE SMOH <u>919.4 (7/02)</u> ENGINE TT <u>5277.5</u> WORK ORDER #<u>4644</u> SIGNED <u>[Signature]</u> AIR IMPRESSIONS, INC REPAIR STATION # AK6R541N</p>
<p>El Paso Aero, Inc. N#: <u>N5288J</u> Mfg: <u>Cessna</u> Model: <u>421C</u> Page 1 of 1 Avionics Associates S/N: <u>421C0158</u> W.O.#: <u>70175</u> Date: <u>07/24/19</u> 7305 Boeing Drive Mx Hobbs: <u>2020.4</u> Flt Hobbs: <u>392.8</u> El Paso, Texas 79925 FAA CRS#VLIR562K</p>				
<p>The following maintenance performed in accordance with Maintenance Manual and current service information:</p> <ul style="list-style-type: none"> Installed overhauled alternator P/N ALV-9510 S/N 6F000147 from CRS#MO6R900J and ops checked ok. Installed overhauled fuel pump P/N 632818-3 S/N A117806B from CRS#PO5R554Y, aligned as required and final ops checked ok. <p>This engine is approved for return to service and is airworthy with respect to the work performed. Pertinent details of work performed are on file at this agency under WO#70175.</p> <p style="text-align: right;"><u>[Signature]</u> Jason Chenausky</p>				
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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
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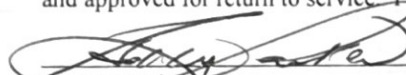


7929 Karl May Dr.
Waco, Texas 76708
CRS No. AK6R541N

Engine TT: 5338.1
 Engine SMOH: 979.7 (7/02)
 Prop SMOH: 607.4 (9/06)
 Hour Meter: 2036.5
 Date: 01/14/2020

Continental GTSIO-520-L S/N L-292014-R

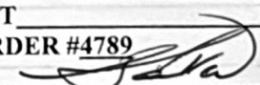
On above referenced engine, removed all cowling for 100 Hour/Annual Inspection. Installed new spark plugs. Drained oil, installed new oil filter and refilled engine with Aeroshell 100 Plus oil. Checked magneto timing. Inspected plug harness and all engine electrical. Checked all engine controls for movement and attach points. Inspected intake and exhaust system, condition and integrity of all engine accessories. Inspected engine mounts, all baffles and cowling. Inspected prop, spinner and bulkhead. Inspected all fuel, oil and hydraulic lines and fittings. Ran compressions and readings were: 1) 72/80, 2) 68/80, 3) 72/80, 4) 62/80, 5) 72/80, 6) 68/80. Installed overhauled turbo, P/N 465930-9003, S/N HJL00018. (See tag.) C/W A.D. 2000-01-16 per paragraphs (b), (c), (d) and (e). (Paragraph (b) next due at 2086.5 HM.) C/W A.D. 2007-05-15 per para. (2) readings were: 1) .037, 2) .038, 3) .038, 4) .039. (Next due at 2136.5 HM.) (All A.D.'s researched through bi-weekly 2020-02. See A.D. listing in log binder for all current and future compliance times. Above work done in accordance with Continental and Cessna Service Manuals and Air Impressions, Inc. 100 Hour/Annual Checklist. Engine ground run-up leak checked good and approved for return to service. Pertinent details are on file under work order 4789.


 Air Impressions, Inc.
 CRS# AK6R541N



7929 Karl May Dr.
Waco, Texas 76708
CRS No. AK6R541N


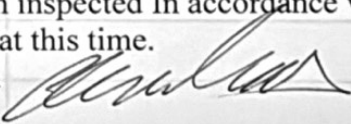
I certify this Engine has been inspected in accordance with a 100 HR. Inspection and has been determined to be in an airworthy condition.

DATE 02/14/2020 HM 2036.5
 ENGINE SMOH 979.7 (7/02)
 ENGINE TT 5338.1
 WORK ORDER #4789
 SIGNED 

AIR IMPRESSIONS, INC
REPAIR STATION # AK6R541N

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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
<p style="text-align: center;">CENTERLINE AIRCRAFT, LLC 602-300-3791</p> <p>N5288J C421C S/N: 421C0158 HOBBS: 2053.3 AFTT: 6150.7 5/1/2021 LH GTSIO 520-L S/N: 292014-R SMOH:996.5</p> <p>PERFORMED THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. 100 HOUR INSPECTION. 2. REPLACED PISTON PINS. 3. CHANGED OIL AND FILTER, AS 100 PLUS. 4. COMPRESSIONS 1/71, 2/74, 3/75, 4/76, 5/70, 6/74 5. SET FUEL FLOWS. 6. AD'S CHECKED THROUGH 2021-09. 7. C/W AD 2007-05-15 DATED 4-16-2007 STARTER ADAPTER BY INSPECTION NEXT DUE 6250.7 TT. <p>I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND OR REPAIRED IAW FAA REGULATIONS AND FOR THE WORK PERFORMED IS APPROVED FOR RETURN TO SERVICE.</p> <p style="text-align: center;"> LAWRENCE AFANA AP3643646</p>				<p>rought forward from previous page</p>
<p><i>Chino Aviation Inc</i> 7000 Merrill Ave. Hangar A-340 Chino CA 91710 N5288J Aircraft hobbs: 2070.5 01/15/2023 Left Engine TSO: 1013.5 Inspected engine, inspected oil filter for metal, none found, compression checked: #1 72/80, #2 74/80, #3 72/80, #4 72/80, #5 76/80, #6 72/80 Inspected, cleaned and tested all spark plugs, inspected exhaust system, Engine serviced with Aeroshell 100w Plus and new 48109-2 filter. Magneto 500 hour inspection next due at 6573.5 airframe time. Engine ground run and checked for leaks I certify that this Engine has been inspected In accordance with an Annual Inspection and found Airworthy at this time. Agustin Cendejas AP2606564IA </p>				
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