

*The Standard*

# ENGINE LOG

ASA-552

# Engine Record General Information

Manufacturer Continental Model TJ10-520T

Serial 515118 Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft: N2689J

Minimum Octane Fuel \_\_\_\_\_ Oil Grade Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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Date: 5-26-2016 W/O: 28856 Tach: 6066 Model: TSIO-520-T S/N 515118

This is to certify that the engine identified above was overhauled in accordance with current regulations of the FAA and was approved for return to service. Pertinent details of the overhaul are on file at the repair station.

Overhauled this engine in accordance with overhaul manual. Disassembled, cleaned and inspected all parts. Magnafluxed steel parts and zyglod nonferrous parts. Balanced engine. Exchanged both magnetos. Starter and alternator were overhauled by T & W Electrical. Turbo was overhauled by Main Turbo. Overhauled pressure relief valve. Fuel injection system was overhauled and recertified by Great Planes Fuel Metering. (see release) Installed new ignition harness and spark plugs. Installed new Superior Millenium cylinder assemblies. See attached sheet for additional parts replaced. Assembled and test run engine-checked OK. AD/SB compliance sheets attached.

**BOLDUC AVIATION SPECIALIZED SERVICES, INC.**  
**F.A.A. Approved Repair Station KM5R993M**  
**8891 Airport Road, Minneapolis MN. 55449**

Authorized Signature

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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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6-10-16 6066.0 6066.0 This engine reinstalled in N26895  
 Engine pre-vented and ground-run All systems checked OK.  
 For safe operation. Engine MT reworked by AeroSpace  
 Welders in Minneapolis, MN. See 8130 Form Dated 4-8-16  
 New Engine MT Rubbers installed P/N J-6545-6 2 each and  
 2 each J-15198-1. Starter and Alternator exchanged for  
 overhauled units. Engine filled with 20W50M Phillips  
 Oil. A.D. Listing rear of this Logbook. All New Hoses  
 installed Firewall Forward.

Date 6-10-16 Tach Time 6066.0 Hrr.

Total Airframe, Engine Time 6066.0 Hrr.

"I certify that this ENGINE has been inspected  
 in accordance with a 100 Hrr. inspection and was  
 determined to be in an Airworthy Condition"

See W.O. # 008922 on permanent file  
 at this Repair Agency. Signed 

A&P 485701760 IA

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
6-30-16	6086.0			O: L Drained, Filter opened (clean). 10gr 20W50 O: L Added. Grd run, no leaks <u>Tim St</u> A: P 485701760
7-13-16	6101.0			O: L Drained 10gr Phillips Installed. (20W50 Blue Bottle). L.H. MAG Adjusted to 22° BT. C. <u>Tim St</u> A: P 485701760
7-20-16	6128.0		6128.0	O: L Drained 10gr Phillips 20W50 O: L Added. New O: L Filter installed CH48110-2. <u>Tim St</u> A: P 485701760
7-26-16	6157.0		6157.0	O: L Drained 10gr 20W50 O: L Added. <u>Tim St</u> A: P 485701760
8-1-16	6200		6200 Hrs.	O: L ? Filter changed New CH48110 O: L Filter installed. <u>Tim St</u> A: P 485701760

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8-9-16	6225		6225	OIL Filter changed 9 <sup>th</sup> 20W50 OIL Added. New CH48110 OIL Filter installed. In Shop A:P485701760
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8-15-16	6250		6250	OIL Filter changed 10 <sup>th</sup> 20W50 Phillips OIL Added New CH48110 oil Filter installed. In Shop A:P485701760
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1-4-17	6280.0		6280.0	Annual Inspection. New Spark plugs installed. Oil Drained & Filter changed, old Filter opened checked clear. Tightened Air Belt. Repaired L.H. Front ENGINE Baffle. Cyl. Compression tested. New intake Air - Filter installed
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Date 1-4-17 Tach Time 6280.0  
 Total Airframe, Engine Time 214.0 S.O.H.  
 "I certify that this ENGINE has been inspected  
 in accordance with a 100 Hr. inspection and was  
 determined to be in an Airworthy Condition"  
 See W.O. # 008933 on permanent file  
 at this Repair Agency. Signed [Signature]  
 A&P 485701760 IA

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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9-15-17 6499.0Hr. 6499.0 Time Since Overhaul 433 Hrs.  
 Cyl. Compression Test #1  $\frac{65}{80}$  #2  $\frac{64}{80}$  #3  $\frac{78}{80}$  #4  $\frac{76}{80}$  #5  $\frac{67}{80}$  #6  $\frac{72}{80}$   
 Oil Drained. Oil Filter pulled checked clean. New  
 CH48110 Filter installed. New Air Filter installed. Adjusted  
 MAG timing. All New Spark Plugs installed RHB32E.  
 C.W. A.D. 84-26-02 By new Air-Filter Install (each 500Hrs)  
 Adjusted mag timing.

Date 9-15-17 Tach Time 6499.0 Hrs.  
 Total Airframe, Engine Time 6499.0 Hrs 433.5 MOH

"I certify that this Engine has been inspected  
 in accordance with a 100 Hr. inspection and was  
 determined to be in an Airworthy Condition"

See W.O. # 008946 on permanent file  
 at this Repair Agency. Signed   
 A&P 485701760 IA

**YEAR 20** \_\_\_\_\_ **DATE** \_\_\_\_\_

**RECORDING TACH TIME** \_\_\_\_\_

**TODAY'S FLIGHT** \_\_\_\_\_

**TOTAL TIME IN SERVICE** \_\_\_\_\_

**Description of Inspections, Tests, Repairs and Alterations**  
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11-15-2018

TACH 6620.6  
TSMOH 554.6

Comp OK

①  $\frac{65}{80}$  ②  $\frac{60}{80}$  ③  $\frac{75}{80}$  ④  $\frac{78}{80}$  ⑤  $\frac{78}{80}$  ⑥  $\frac{75}{80}$

Removed & Reinstalled NO 2<sup>nd</sup> Cyl. After Ex Guide & Valve Repair AT Baldac Aviation. Replaced oil & Filter 100w. Cleaned ALL Fuel nozzles + Replaced seals on upper Deck fittings Fuel system Set up Fuel System per <sup>SIP</sup> 97-3E. Tightened AHP Belt

AD 2016-16-12 N/A NO ECI Cyl. INST.

I CERTIFY THIS Eng WAS INSPECTED I/ALW AN ANNUAL INSP AND FOUND AIRWORTHY ON 11-15-2018 *of hull 3379251IA*

11-1-19

TACH = TT 6701  
TSMOH = 635.6

Comp OK ①  $\frac{68}{80}$  ②  $\frac{72}{80}$  ③  $\frac{70}{80}$  ④  $\frac{74}{80}$  ⑤  $\frac{75}{80}$  ⑥  $\frac{75}{80}$

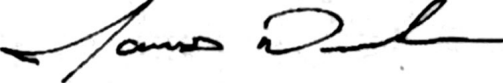
CHANGED OIL 100w Cut filter Insp OK. Repaired Broken HEAT shields on Intake, Tightened Mixture Rod End Bolt RH Exh. Collector + Turbo Inlet Pipe overhauled AT Aerospace Welding See w/o 188712/710/711/709

Clw AD 96-12-22 oil Filter Adapter Nut OK FOR TIGHTNESS OK

DUE EACH Filter Removal - I CERTIFY THIS ENGINE WAS Insp. I/ALW AN ANNUAL INSP AND FOUND AIRWORTHY ON 11-1-19 *of hull 3379251IA*

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> 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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6/30/20	6746.7			Changed oil 100w & filter <del>Filt</del> 3571648A
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11/15/2020 CONTINENTAL TSIO-520-T S/N: 515118	N2689J	TACH: 6817.1 TSMOH: 751.7 TTE: 6817.1
<p>Compressions: #1 75/80 #2 73/80 #3 76/80 #4 78/80 #5 77/80 #6 76/80.          Drained oil, replaced filter. Inspected old filter, no contaminants found. Serviced with 11qts AeroShell W100. Checked mag to engine timing. Cleaned, inspected, gapped, tested and rotated sparkplugs. Inspected and lubed through exhaust and engine controls. Inspected and cleaned fuel screen. Inspected fuel injection system. Cleaned fuel injectors. Washed engine. Ground run for operational check and leak check OK. See AD log for compliance. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.</p>		
 James D. Deranleau A&P 3417771		BELLE FOURCHE FLIGHT CENTER 605-892-6345

7/15/21	6867.1			oil change 100w & replaced oil Filter
7/30/21	6917.1			oil change 100w & replaced oil Filter

YEAR  
20 \_\_\_\_\_  
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.)

# Elite Aircraft Service

501 W. Hangar St. Sioux Falls SD

605-809-5304

DATE	MAKE/MODEL	TACH/HOBBS	SMOH/CYCLES	REGISTRATION	SERIAL NUMBER
12/7/2021	Cessna T188C	Tach:6952.8	N/A	N2689J	T18803497T
Engine Model TSIO-520-T	Eng. SN 515118				

- Performed an Annual Inspection IAW FAR 43 Appendix D and Engine Maintenance Manual.
- Engine Compressions are as follows: #1-70/80 #2-64/80 #3-66/80 #4-62/80 #5-72/80 #6-74/80.
- Drained oil, removed, and cut open oil filter for debris. No debris found. Installed new oil filter P/N-CH48110-1 and serviced with 11 qts of Phillips 20W50 oil.
- Removed and cleaned fuel injectors. Installed (6) new washers P/N-640612 and (6) seals P/N-633958-3.
- Removed and installed (12) new spark plugs P/N-RHB32E.
- Removed and installed new air filter P/N-42097.
- Repaired right forward engine baffling and air intake baffling.
- Performed ground runs for performance and leak check. No defects noted.
- **MAINTENANCE RELEASE:** The aircraft and/or component identified was repaired IAW current FAA Regulations for return to service.

Signed: \_\_\_\_\_

Jared Osmus IA 3424572

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-9-73	Tach 7057.3	SMOH 991.9		Changed oil & Filter aeroshell 100w CH48110-1 Checked timing Comp test #1 $\frac{70}{80}$ #2 $\frac{74}{80}$ #3 $\frac{72}{80}$ #4 $\frac{72}{80}$ #5 $\frac{74}{80}$ #6 $\frac{74}{80}$ CU AD 96-12-22 oil filter adapter OK I certify that this engine was inspected IAW a 100 Hr and was found to be in an airworthy condition. Q. J. Hargis A+P 3307839
3-14-74	Tach 7062.3	SMOH 996.9		Changed oil & Filter Aeroshell 100w CH48110-1 Checked timing 27° Comp test #1 $\frac{70}{80}$ #2 $\frac{72}{80}$ #3 $\frac{72}{80}$ #4 $\frac{74}{80}$ #5 $\frac{72}{80}$ #6 $\frac{72}{80}$ CU AD 96-12-22 oil Filter adapter OK I certify that this engine was inspected IAW a 100 Hr and was found to be in an airworthy condition. Q. J. Hargis A+P 3307839

High Planes Aviation

Colby KS, 67701

Colby Municipal Airport, KCBK

03/07/25 N2689J TSIO-520-T SN: 515118 Tach: 7114.7 TSMOH: 1048.7

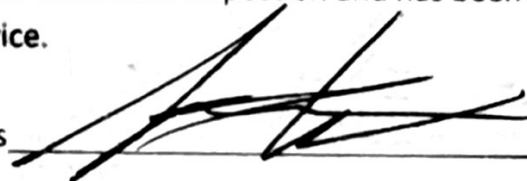
Brysen@highplanesaviation.com

785.460.4438 Office

Repairs and Alterations  
ing and Certificate Number of  
ges for other specific entries )

Performed Annual inspection in accordance with FAR 43 Appendix (D) and Cessna Service Manual. Compressions at the time of inspection #1 68 #2 68 #3 76 #4 78 #5 78 #6 80. Drained oil and removed filter checked for debris- no contaminants, inspected torque putty on oil filter adapter. installed oil filter PN: 48110-2 and 11 quarts of X/C 20w-50. Removed plugs, cleaned, checked gap, and reinstalled spark plugs with new gaskets. Cleaned fuel screen no defects noted at this time, cleaned fuel injector nozzles installed new O-rings or. Inspected exhaust system and turbocharger components and exhaust clamp no defects noted. Inspected air intake filter and cleaned. Performed post engine runs, leak check and operational check good at this time. AD's checked thru bi-weekly report 2025-04, see AD research packet dated 02/14/2025 for details. AD 2023-17-04 NA STC adapter not installed, C/W AD 96-12-22 by inspection due next oil change. I certify this Engine has been inspected IAW an Annual inspection and has been found to be in an airworthy condition and is approved for return to service.

Stephen Barrios



IA3284454

5/3/25

Changed Oil and Filter 20w50 Tach 7197.0

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