



*The Standard*  
**ENGINE LOG**



ASA-SE-2

The subject aircraft was involved in an incident /  
accident on 3/21/2024 rendering it a Constructive Total  
Loss as not repairable within its insured value. For  
further details refer to insurance claim: 8947816654US.

Signed: *Underwriters Salvage Company*

Date: **5/17/2024**

AIG Aerospace Adjustment Services Inc  
3500 Lenox Road, Suite 1100  
Atlanta, GA 30326

DATE 19 _____	RECORDING TACH TIME	TODAYS 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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ENGINE MODEL: C145  
 ENGINE S/N: 5150-D-0-2  
 REG. NO: N9269A  
 WORK ORDER: 23815



**Aerodyne Corporation**

Repair Station No. HO1R-199K  
 5198 West Military Highway  
 Chesapeake, VA 23321 USA  
 Phone: (757) 488-2898

DATE: 11/7/2023  
 A/C TSN:  
 ENG TT:  
 TACH: 1057.5

**Engine Entries**

(1) Troubleshoot customer report that his engine will not start. Engine turns over but no ignition. Confirmed by pre-maintenance attempt to start the engine. Removed engine cowling. Performed compression check: #1-79/80, #2-78/80, #3-79/80, #4-78/80, #5-79/80, #6-78/80. Removed spark plugs for inspection. Spark plugs worn and several would not test. Inspected magneto to engine timing and found to be too far advanced. Removed left and right magnetos; p/n: 6364, s/n: L-9914830, R-99147755. Disassembled, cleaned and inspected. Adjusted internal timing. Lubricated as necessary. Reassembled, installed and timed to engine. Installed 12 new UREM40 spark plugs. Inspected operation of carburetor accelerator pump and primer system. Cleaned primer nozzle. Checked operation and continuity of the magneto switch. Performed engine ground run. Engine starts normally. Reinstalled engine cowling.

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 11/7/2023

SIGNED:

J.R. Smith  
 Certified Repair Station No. HO1R-199K

Work Order: 23815

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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 <del>2/10/22</del>	998.5		560.4	Install servicable starter on engine.  James Reeder Jr. <del>Reeder #3757148</del> 2/10/22
6/3/23	1019.0		566.5	Cleaned, gapped and rotated plugs. Checked timing at 26° Rt + 28° Left. Oil was changed with 7qts of Aeroshell 100w Plus and Aulblend. Oil screen checked OK. Compression #1-79/80; #2-79/80; #3-79/80; #4-79/80; #5-79/80; #6 78/80 - all checked & hot. No applicable AD's. See AD report this date. Leak checked good. I certify this engine was inspected IAW an Annual Inspection and determined to be Airworthy. <del>SL F9L AP3215465 IA</del> SHAWN L. HARING

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				

ENGINE MODEL: C145  
ENGINE S/N: 5150-D-0-2  
REG. NO: N9269A  
WORK ORDER: 23806



**Aerodyne Corporation**  
Repair Station No HO1R-199K  
5198 West Military Highway  
Chesapeake, VA 23321 USA  
Phone: (757) 488-2898

DATE: 10/31/2023  
A/C TSN:  
ENG TT:  
TACH: 1055.8

**Engine Entries**

(1) Removed existing pull-cable type starter p/n: 1109656, s/n: 20367. Installed Sky-Tec push button starter system C12ST2/S, s/n: H-X081877 in accordance with Sky-Tec Master Drawing No. 71200, Revision A, dated March 16, 2018. Installation is approved for this aircraft in the FAA Approved Models List for Supplemental Type Certificate SA10076SC. Installation is approved for this engine Continental C145 in the FAA Approved Models List for Supplemental Type Certificate SE10076SC. Completed FAA Form 337.....  
(2) Drained engine oil and removed existing oil screen. Installed Stratus Model CO-300 Oil Filter Adapter in accordance with Stratus Model CO-300 Installation Instructions DN ST006 Rev 2. Installation is approved for this engine in the FAA Approved Models List for Supplemental Type Certificate SE8409SW. Instruction for Continued Airworthiness are Contained in the Stratus ICA Document DN ST001 Rev C, 5-25-2022. Installed supplied AA48108-2 filter. Serviced engine with 8 quarts of Phillips 20W50XC oil. Performed engine ground run. Operational and leak check satisfactory. Completed FAA Form 337. Note: The gaskets on the installed oil filter adapter are in compliance with AD 2023-17-04.....(3) Repaired engine oil temperature probe wiring.....(4) Installed new engine air induction filter element BA6108.

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 10/31/2023 SIGNED: *J.R. Smith* Work Order: 23806  
J.R. Smith  
Certified Repair Station No HO1R-199K Printed by EBis 3 (datcomedia.com)

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.)
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January 13, 2021 Continental C145 serial 5150-D-0-2 currently installed on N9269A tach 862.2  
TSMOH 409.7 *JR*

Completed a 100 hour inspection of this engine in accordance with part 43 appendix D using the aircrafts maintenance manual as a reference. Drained engine oil and inspected the poil screen finding no contaminants. Installed 7 quarts of Aeroshell 15/50. Differential compression test as follows 1-76 2-74 3-78 4-74 5-72 6-76. Inspected spark plugs and leads. Installed owner supplied induction air filter element. Ran engine up to check for leaks and security. I certify i have inspected this engine in accordance with a 100 hour inspection and determine it to be airworthy on this date. James Reeder *James Reeder* I/A 3757148 January 13, 2020. *JR*


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.)
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February 9, 2022 Continental C145 serial 5150-D-0-2 currently installed on N9269A tach 998.5  
TSMOH 546 hours

Inspected this engine in accordance with part 43 appendix D during an annual inspection of the aircraft using the aircrafts maintenance manual as a reference . Drained engine oil and inspected the oil screens finding no contaminants. Installed 7 quarts of Aeroshell 15/50. Reamed exhaust valves as needed. Differential compression test as follows 1-78 2-70 3-76 4-70 5-74 6-73. Inspected spark plugs and leads. Installed owner supplied induction air filter element. Ran engine up to check for leaks and security. I certify i have inspected this engine during an annual inspection of the aircraft and determine it to be airworthy on this date. James Reeder *James Reeder* I/A 3757148 <sup>Feb 9, 2022</sup> January 13, 2020.


DATE 2018 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.)
21 NOV	729.3	TIME	SINCE MAJOR OVERHAUL 276.8	CHANGED OIL, CHECKED ENGINE SCREEN-OK, CUT AND INSPECTED OIL FILTER-OK, CHECKED EXHAUST SYSTEM AND HEATER MUFFS FOR SECURITY AND LEAKS FOUND OKAY, REPLACED AIR INTAKE FILTER, CHECKED TORQUE OF CYLINDER BASE NUTS, CHECKED ENGINE MOUNT FOR SECURITY AND CONDITION, CLEANED FUEL SCREEN, CHECKED ALL ENGINE CONTROLS FOR SECURITY AND FREEDOM OF MOVEMENT, CHECKED MAGNETO TIMING, CLEANED, GAPPED AND CHECKED ALL SPARK PLUGS, PERFORMED COMPRESSION CHECK ON ALL CYLINDERS - #1-7 <sup>9</sup> / <sub>80</sub> #2-7 <sup>2</sup> / <sub>80</sub> #3-7 <sup>4</sup> / <sub>80</sub> #4-7 <sup>7</sup> / <sub>80</sub> #5-7 <sup>9</sup> / <sub>80</sub> #6- <sup>30</sup> / <sub>80</sub> ENGINE OPERATIONAL CHECK WAS SATISFACTORY - I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AS DESCRIBED IN FAR 43 APPENDIX D AND HAVE FOUND IT TO BE AIRWORTHY - Ronald K <del>KA</del> AP 1908041-IA

DATE 19 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.)
	798.3		340.8	TSMASH continental C-145 serial #5150 -D-0-2  This engine was inspected in accordance with a 100 hour/annual inspection. Differential compression 1-78, 2-74, 3-78, 4-74, 5-72, 6-78. Installed new Champion CH48108-1 oil filter and 7 quarts of Amsoil 15/50. Cleaned and tested plug and installed new gaskets. Installed new BA 6108 air filter element. I have found this engine to be airworthy and approve its return to service on this date. James Reed Sr. Radar IA 3757148 11-23-19

DATE 2016 <del>16</del>	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.)
6 AUG.	623.5			OIL CHANGE, CUT AND INSPECTED FILTER NO CONTAMINANTS FOUND REFILLED WITH AEROSHELL W100 — Ronald K <del>AP</del> 1908041 IA —
14 SEPT 2016	637.3			TIME SINCE MAJOR OVERHAUL 184.8 - CHECKED EXHAUST STACKS FOR CRACKS UNDER HEATER MUFF, CHECKED MAGNETO TIMING, CLEANED AND CHECKED SPARK PLUGS (REPLACED 3) PERFORMED CYLINDER COMPRESSION CHECK #1- <sup>88</sup> / <sub>50</sub> #2- <sup>80</sup> / <sub>50</sub> #3- <sup>50</sup> / <sub>50</sub> #4- <sup>50</sup> / <sub>50</sub> #5- <sup>72</sup> / <sub>50</sub> #6- <sup>78</sup> / <sub>50</sub> , CHECKED CYLINDER BASE NUTS, CHECKED ENGINE MOUNT AND BOLTS, CHECKED ENGINE CONTROLS FOR FREEDOM OF MOVEMENT AND TRAVEL, CHECKED AND CLEANED GASCOLATOR, CHECKED AIR FILTER, REPAIRED ENGINE BAFFLE AT AFT LOWER MOUNT POINTS. I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AS DESCRIBED IN FAR 43, APPENDIX D AND FIND IT TO BE AIRWORTHY. Ronald K <del>AP</del> AP 1908041 IA —

DATE 2017 <del>15</del>	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 OCT. 2017				TACH READS 674.1 TIME SINCE MAJOR OVERHAUL 241.6 CHANGED OIL, CUT AND CHECKED FILTER-OK, CHECKED EXHAUST SYSTEM AND HEATER AND CARB HEAT MUFFS FOR SECURITY AND LEAKS. REPLACED AIR FILTER. CHECKED CYLINDER BASE NUTS FOR TIGHTNESS, CHECKED SECURITY OF ENGINE MOUNTS AND BOLTS, CHECKED ALL ENGINE CONTROLS FOR FREEDOM AND OPERATION. CLEANED GASCOLATOR. CHECKED MAGNETO TIMING AND CONDITION. CLEANED, CHECKED AND GAPPED SPARK PLUGS. CLEANED STEM AND GUIDE OF #1 CYLINDER EXHAUST VALVE DUE TO STICKING PROBLEM. COMPRESSION CHECK - #1- <sup>79</sup> / <sub>80</sub> #2- <sup>78</sup> / <sub>80</sub> #3- <sup>78</sup> / <sub>80</sub> #4- <sup>75</sup> / <sub>80</sub> #5- <sup>78</sup> / <sub>80</sub> #6- <sup>79</sup> / <sub>80</sub> - ENGINE OPERATIONAL CHECK SATISFACTORY - I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AS DESCRIBED IN FAR 43 APPENDIX D AND FIND IT TO BE AIRWORTHY - Ronald K <del>AP</del> AP 1908041 - IA —

N9269A TACH-543.5 TSMO-101.8 ~~91.0 MB~~  
 MODEL- C145-2 S/N- 5150-D-O-2

**Aeromechanix**

2898 MONTECITO ROAD - RANMAMF - CA

Drained oil, installed new oil filter p/n CH48108-1, and serviced with 7QTs of Aeroshell w100. Differential compression test: #1 78/80 #2 76/80 #3 78/80 #4 72/80 #5 78/80 #6 76/80. Inspected all spark plugs. Checked magneto timing. Serviced gascolator & screen. Replaced induction filter with new BA6108. Lubricated engine controls and checked for freedom of movement. Washed engine & compartment. Ground/run-up/flight operations satisfactory.

See attached AD compliance list for applicable AD's

I CERTIFY THAT THIS ENGINE/PROPELLER WAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

FRANCISCO JIMENEZ A&P3230538IA

DATE: 07/29/2014

rs and Alterations  
 ertificate Number of  
 ther specific entries.)

DATE	RECORDING TACH TIME	TODAYS 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>
19				Retimed MAGS To 26° RT + 28° L

Date 8/11/15 T. T. W. K. W. Hr. Meter or Tach. Indication 587.8 TSMOH 135.3  
 Engine Inspection Performed in Accordance with FAR PART 43.  
 Engine Compartment  Engine Mount  Engine Controls  Cowling

Cleaned Fuel Injector Nozzles  Cleaned & Gapped Spark Plugs   
 Checked & Cleaned Air Filter  Cooling Baffles  Cylinder Base Studs, Crankcase Bolts & Nuts  Intake & Exhaust Systems  Oil Screens  Oil Filter Changed  Old Filter Element Checked  Fuel Sumps Drained and Checked  Fuel Screens Checked  Magneto Points & Timing Checked   
 Carburetor Heat Checked  Prop Governor Checked  Prop Condition Check   
 Nicks Removed From Prop Leading Edges  Differential Compression Check as follows: #1 77/80, #2 76/80, #3 77/80, #4 77/80, #5 76/80, #6 78/80, #7 78/80, #8 78/80, #9 78/80. AD Compliance List at Rear of Log. AD Compliance Check Through Issue 2015-15. I Certify That This Engine Has Been Inspected In Accordance With A Annual Inspection and Was Found to be in Airworthy Condition. signed Mark Brosson A&P # 2150335 IA

Changed oil w/ 8 qts Shell 100w & CH 48108 Filter

(Note: oil & Filter Supplied by owner) cont'd  
 Opened old Filter & Checked For Contamination - Found OK

61

DATE <i>7/20/12</i>	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.)
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08-04-2012 475.6 Tach Time <sup>23.1 MB</sup>  
33.9 SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned, gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Checked timing. Compression Check:

- 1) 75/80 2) 74/80 3) 75/80 4) 75/80 5) 74/80 6) 75/80
- All AD to this point complied with. See compliance list.  
Engine run up completed. All pressures and temps normal.  
No leaks noted. This aircraft approved for return to service at this time.

*De Al* AP34890911A

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.)
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Ramona Avionics, Inc.

Engine Entries

68.9 MB

N8069A Tach time= 601.4 TTAF=0410.6 TSMOH ~~23~~ Removed spark plugs cleaned and gapped plugs. Compression test #1 76 #2 75 #3 75 #4 76 #5 74 #6 76 Replaced Air filter Checked prop torque installed new valve cover gaskets Replaced worn EGT probe with new probe. Cleaned oil screen and serviced engine with 7 qts aero shell 100 test run leak check engine GOOD I certify that this engine has been inspected in accordance with a 100 hour and annual inspection per FAR 43 appendix D and was found to be in an airworthy condition.

DATE 9/13/2013

SIGNED

*De Al*

AP34890911A

Work Order 9886

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\*Where allowed by law, proper authority (FAA, etc.) is hereby granted for report control and technology software were exported from the US in accordance with the Export Administration

DATE 2009	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.)
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12-15-2009 472.7 Tach Time <sup>20.2 MB</sup>  
~~31.0~~ SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned , gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Magneto gap and checked timing. Compression Check:

- 1) 75/80 2) 74/80 3) 75/80 4) 75/80 5) 74/80 6) 75/80

All AD to this point complied with. See compliance list. Engine run up completed. All pressures and temps normal. No leaks noted. This aircraft approved for return to service at this time.

  
Phillip M. Hare  
569472769 IA

DATE 2010	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.)
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12-15-2010 474.7 Tach Time <sup>22.2 MB</sup>  
~~33.0~~ SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned , gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Checked timing. Compression Check:

- 1) 75/80 2) 74/80 3) 75/80 4) 75/80 5) 74/80 6) 75/80

All AD to this point complied with. See compliance list. Engine run up completed. All pressures and temps normal. No leaks noted. This aircraft approved for return to service at this time.

  
Phillip M. Hare  
569472769 IA

DATE 2007	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.)
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12-30-2007 469.7 Tach Time <sup>17.2 MB</sup>  
~~28.0~~ SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned , gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Magneto gap and checked timing. Compression Check:  
1) 75/80 2) 74/80 3) 75/80 4) 75/80 5) 74/80 6) 75/80  
All AD to this point complied with. See compliance list.  
Engine run up completed. All pressures and temps normal.  
No leaks noted. This aircraft approved for return to service at this time.

  
Phillip M. Hare  
569472769 IA

DATE 2008	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.)
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12-30-2008 471.7 Tach Time <sup>19.2 MB</sup>  
~~30.0~~ SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned , gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Magneto gap and checked timing. Compression Check:  
1) 75/80 2) 74/80 3) 75/80 4) 75/80 5) 74/80 6) 75/80  
All AD to this point complied with. See compliance list.  
Engine run up completed. All pressures and temps normal.  
No leaks noted. This aircraft approved for return to service at this time.

  
Phillip M. Hare  
569472769 IA

~~ANNEX~~

DATE 2005 10	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 other specific entries.)
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12-30-2005 460.0 Tach Time <sup>7.5 MB</sup> 18.3 SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned , gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Magneto gap and checked timing. Compression Check:  
 1) 73/80 2) 72/80 3) 75/80 4) 76/80 5) 74/80 6) 75/80  
 All AD to this point complied with. See compliance list.  
 Engine run up completed. All pressures and temps normal.  
 No leaks noted. This aircraft approved for return to service at this time.

  
 Phillip M. Hare  
 569472769 IA

DATE 2006 10	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.)
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12-30-2006 466.7 Tach Time <sup>14.2 MB</sup> 25.0 SMOH

I certify this engine has been inspected in accordance with an Annual Inspection and has been found to be in an airworthy condition at this time. Cleaned , gapped, tested spark plugs. Installed 8qt's Aeroshell 50 + Champion oil filter. Magneto gap and checked timing. Compression Check:  
 1) 75/80 2) 74/80 3) 75/80 4) 75/80 5) 74/80 6) 75/80  
 All AD to this point complied with. See compliance list.  
 Engine run up completed. All pressures and temps normal.  
 No leaks noted. This aircraft approved for return to service at this time.

  
 Phillip M. Hare  
 569472769 IA

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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CONTINENTAL C-145 SER# 5150-D-O-2  
 This engine was cleaned and inspected for overhaul per CONTINENTAL OVERHAUL MANUAL and TABLE OF LIMITS. All steel parts were cleaned, inspected and magnafluxed WORK ORDER 10579 The case was cleaned, inspected, zyglod and certified by CSI work order 5954. The crankshaft was cleaned, NDT, DEMENSIONALLY INSPEC. TO STD AND ULTRASONIC INSPECTED, AND POLISHED. The rods were cleaned, inspected, rebushed and magnafluxed and certified. The camshaft was O/H BY RICK ROMANS. The lifter s were replaced O/H UNITS PLUS CORE CHR.G.. The cylinders were ECI TITAN COMP. NICKEL ASSEM... The engine was reassembled in accordance with CONTINENTAL OVERHAUL MANUAL and TABLE OF LIMITS. The following parts were replaced at overhaul

1ea. Sa 36170-A1 bearing set	12ea. Sa639640 rod beari	4ea. 22532 screws
530917crankshaft seal	1 ea 536092 a10 Gasket set	4ea. 22534 screws
12ea 24804 rod nuts	12 ea sa 530213 rod bolts	6 ea 530192 rod bushings
4 ea. 530866 cw bushings	4 ea. 531016 cw bushings	6 ea. 22800 int. hoses
4 ea 22534 camshaft bolts	4 ea 630261-15 pins	4 ea 530863/531015 bus
6 ea 530830 piston pins	8 ea sa402805 circlip	8 ea sa 530868 plates
2ea sa 36170 std. bearings	6 ea. 36171 std bearings	4 ea. 35562/35563 thrust washers
1ea. 530803 camshaft o/h	12 ea. 530851 lifter bodies o/h	.1 ea. 637083 oil pressure spring
19ea. A53578-011 o-rings	2 ea. An123862 o-rings	2 ea. 40043 engine mounts (used)
1ea. 40044 engine mount (used)	1ea. 40479 intake elbow (used)	1ea. 642714 seal
1 ea sa 24770 crank plug	6ea. Tisn 61.a titan cyl. Assem.	

AIRCRAFT NOT AVAILABLE TO GET HOBBS OR TACH TIME, CUST TO ENTER AT INSTALLATION ON ENGINE X--  
 X-----

The engine was requires 8 quartz of mineral oil. . All pertinent data on file at Corona Cylinder and Engine Overhaul, Inc. under work order 10579 Signed SA 09/01/2003  
 Dated october, 30, 2003

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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N9269A 12-04-03 452.5 Tach Time

This is to certify this Engine has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time. Engine rebuilt by Corona Cylinder. Titan Nickel cylinders installed. Oil filter and adapter installed. Serviced with 8 quart Aeroshell mineral oil. New plugs installed. Break in runs completed. All pressures and temps normal. Break in and test flight completed with no defects noted. This aircraft approved for return to service.

Phillip M. Hare  
 Phillip M. Hare  
 569472769IA

3-12-04	452.5 470.9	Tach Time	Oil and Filter change completed.
	TT 3341.6		Just 7 Qts Aeroshell 15W-50 like check good. PH Hare

# Engine Record General Information

Manufacturer CONT. Model C-145

Serial 5150-D-0-2 Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft: Cessna 170 A  
N9269A

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

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

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

Manufacturer's Recommended Overhaul at 1800 hours

1

ENGINE LOG

ENGINE LOG

2102 DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
7-14					3	82	Hrs	Tach	Oil Pump bears Making Metal. One Hyd Lifter Frozen. Disassembled Engine. Replaced All Bearings, Rings, lifters and seats with new. Rear case repaired by chake air. Cylinders Honed and Valve seats lapped. Re-Assembled with New Oil Pump bears IAW Continental Service Manual. Engine filled with Aeroshell 30 WT Mineral oil 8 qts.		
BROUGHT FORWARD											
TOTALS											
Also installed EL-Reno spins on oil Filter Adapter STC# 5E840											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
									and Filter Champion CH48108.		
									Break in Run Completed 9-12-02		
									All compressions checked Good. Mag checks Good. No leaks noted. All Annual inspection Requirements IAW FAR 43 Apd D Complied With and found to be Airworthy. This Engine approved Return To Service at this time. Complete Oil Change at 407 Tach Time.		
									Phyllis M Hare 569472769JA		
BROUGHT FORWARD											
TOTALS											
95W -											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
2001											
2-29									Changed Oil - Checked Filter. Increased Oil Press to 35 @ 1800	Phil M Ware 569472769AP	
5/07									Oil Change Filter Cleaned. Tightened Rocker Covers. Minor Baffle Repair.	Phil M Ware 569472769AP	
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
2001											
9-19									This Engine has been inspected IAW an Annual Inspection IAW FAR 43 Appendix D and Found to be in Airworthy Condition at this time.		
									1) 78/80 4) 78/80		
									2) 78/80 5) 77/80		
									3) 76/80 6) 78/80		
									Added Exhaust Pipe Extensions. 337 Filed Prop Converted to Jet Flow. Result - 8 MPH Cruise increase.	Phil M Ware 569472769IA	
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
10-15-99							53	00	Oil changed screens checked good. Inst 15W 50 Aeroshell. No Discrepancies noted at this time.	Phil Ware	569472769AP
1-22-06							104	00	Change Oil & checked screens. Completed 100 Hr Insp. Changed Air Filter. Made Minor Repairs to Buffing.	Phil Ware	569472769AP
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
<del>2000</del> 9-15-00									Annual Inspection Completed T&W For 43 Appendix D and found to be in airworthy condition at this time. Comp ✓ 1) 78/80 4) 78/80 2) 78/80 3) 77/80 3) 77/80 5) 78/80 Oil changed and Filters checked good. Inst Phil's 15W 50 Phil Ware 569472769AP		
BROUGHT FORWARD											
TOTALS											



ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
7-6-81							477.3		SMITH TACH 28772		
									"I certify that this ENGINE has been inspected in accordance with AN ANNUAL inspection and was determined to be in Airworthy Condition." Total time in service 477.3 hrs.		
									<u>L. Aden</u> A. P. 1362853		
									JUL 6 1981		
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
9-9-82							483.7		SMITH TACH 2883.6		
									"I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in Airworthy Condition." Total time in service 483.7 hrs.		
									<u>L. Aden</u> A. P. 1362853		
									SEP 9 1982		
Oct 15, 1993									Crankcase assembled with new main & rod bearings, thrust washers, rod nuts & bolts, wrist pins, reground camshaft & lifter bodies, gaskets, crank plug, front seal, and prop bolts. This engine <del>was</del> not completely assembled at this time.		
BROUGHT FORWARD											
TOTALS											

John H. [Signature]

A.P. 1362853

## ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
7-1-78									420 SMOH TACH 28199		
									CHANGED OIL		
									CHECKED SPARK PLUGS		
									R. Reed		
5-7-79									446.7 TACH 2896.6		
									"I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in Airworthy condition." Total time in service <u>446.7</u> hrs.		
									<u>L. Adams</u>	A. P. 1362853	
MAY 7 1979											
BROUGHT FORWARD											
TOTALS											

## ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
									TIGHTENED HOSE CLAMPS		
									CHANGED AIR FILTER		
									SPRAYED ENGINE WITH WD-40	R. Reed	
6-19-80									465.1 SMOH TACH 2865		
									"I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in Airworthy condition." Total time in service <u>465.1</u> hrs.		
									<u>J. Adams</u>	A. P. 1362853	
JUN 19 1980											
BROUGHT FORWARD											
TOTALS											

### ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
3-12-77									361 SMH TACH 2761		
									7-1-79 CHANGED OIL & FILTER, CLEANED HI & LO PRESSURE OIL SCREENS. TACH TIME 2855 R. Red		
									8-3-79 CLEANED & GAPPED PLUGS R. Red		
7/1/79									420 SMH TACH 2819.9		
BROUGHT FORWARD											
TOTALS											
									420 SMH TACH 2819.9		

### ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
									"I certify that this <u>ENGINE</u> has been in- spected in accordance with a <u>ANNUAL</u> inspection and was determined to be in Airworthy Condition." Total time in <u>SMH</u> <u>100.9</u> hrs.		
									<u>A. P.</u>	A. P. 1362853	
									APR 1 1978		
BROUGHT FORWARD											
TOTALS											

### ENGINE LOG

### ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
							5:10	240	CHANGED OIL AT 2675 TACH TIME R. Reel CLEANED PLUGS		
									11-11-76 TACH TIME 2745 WASHED ENGINE CHANGED OIL, CHANGED OIL FILTER, CLEANED AND GAPPED SPARK PLUGS R. Reel		
BROUGHT FORWARD											
TOTALS							3/7/77	361	SMOH TACH 2761		

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
									"I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in <u>SMOH</u> Airworthy Condition." <u>361</u> hrs. <u>R. Reel</u>		
									MAR 12 1977 A. P. 1362853		
									6-2-77 TACH TIME 2796 CHANGED OIL, CLEANED & GAPPED PLUGS, WASHED ENGINE DOWN R. Reel		
BROUGHT FORWARD									TACH TIME 361 SMOH		
TOTALS								2761	3-12-77		

## ENGINE LOG

## ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
							5:10 H	200.1	CHANGED OIL		
									CLEANED & GAPPED		
									PLUGS WASHED ENGINE		
									DOWN AT 2639.9		
									TACH TIME		
									R. Reed		
									PACKED WHEEL BEARINGS		
									MAIN & TAIL WHEEL		
									OILED HINGES		
									R. Reed		
BROUGHT FORWARD											
TOTALS					3/1/76		240	5:10 H			

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
									"I certify that this Engine has been inspected in accordance with a Annual inspection and was determined to be in Airworthy Condition." Total time in service		
									240 hrs.		
									<u>L. Allen</u>	A. P. 1362853	
BROUGHT FORWARD									TACH TIME		
TOTALS									2639.9		
									240		
									5:10 H		











DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
									new points in R mag - new plugs		
									TACH 934		
									+ 608		
									T.T. 1542		
I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED IN											
ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS											
FOUND TO BE IN AIRWORTHY CONDITION.											
BY <u>Almy J. Mount</u>											
DATE <u>Oct 3 1969</u> CO. INSP.											
TOTAL TIME <u>1542</u> WO # <u>2457</u>											
TIME SMOH <u>934</u> TACH TIME <u>934</u>											
OIL USED <u>R.P.M 40 Aero Shell</u> TIME LAST 12 MO <u>82.0</u>											
PLIED WITH LOGGED IN REAR OF AIRCRAFT LOG. AD NOTES COM.											
NYSTROM AVIATION CORP. REPAIR STATION #57											
PALO ALTO, CALIFORNIA, PHONE 415-327-7640											
BROUGHT FORWARD											
TOTALS											

963.4 / n.g. 11/7/69

DATE	500 R-P.M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1969											
10/3/69											
10/25/69											
11/9/69											
11/10											
11/10											
11/11-12-13-14-15											
11/16											
11/17											
BROUGHT FORWARD											
TOTALS											

970.3 Aeroshell SAE 40 (AV 80) oil change engine run - checked for oil leaks - none J.M.

oil change (Aeroshell 40) (993.2) new gaskets installed - no leaks

① oil change (Aeroshell W SAE 40)  
 ② generator removed & inspected - band - replaced with new gasket (TIGHT-SEAL gasket came used) gen OK

③ voltage regulator removed & inspected - replaced & reset using meter. regulator OK  
 ④ electric wiring system checked - all OK

⑤ REBAT battery removed - defective in one cell new resistor battery installed (11/24/69) J.M.





FLIGHT TIME

ENGINE LOG

1966 DATE	R. P. M.		TIME ON GROUND		TIME SINCE TIME IN AIR		TACH READING TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12/28/66									Collins Zwickland / Keiford Tex		
12/29									Keiford / El Paso Tex		
12/30									El Paso / Wilcox Ariz / Tucson Ariz.		
12/31									Tucson Ariz / Banner Cal / Potrero Cal / Palo Alto Cal.		
1/7/67		.1		.1			484.9	783.3	oil changed, ford. filter & carb air filter changed / engine run up to check for leaks	OK J.M.	
1/27/67									new thermo couple for CHT. installed (IB10B) (AN5540-1)	J.M.	
1/27/67		.5		.4			485.3	783.7	Palo Alto / Fremont / Palo Alto	J.M.	
2/3/67		1.3		.8			486.1	784.5	Palo Alto / local / Palo Alto	J.M.	
2/11/67		2.2		.9			487.0	785.4			
2/19/67		3.0		.8			487.8	786.2			
2/26/67		3.8		.8			488.6	787.0			
3/5/67		4.1		.3			488.9	787.3			
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

FLIGHT TIME

DATE	R. P. M.		TIME ON GROUND		TIME SINCE TIME IN AIR		TACH READING TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1967											
3/9		5.2		1.1			490.0	788.4			
4/16		5.8		.6			490.6	789.0			
5/23		6.14		.6			491.2	789.6			
5/27		7.5		1.1			492.3	790.7			
5/28		8.5		1.0			493.3	791.7			
6/15											
6/16		22.6		14.1			507.4	805.8	oil change - 6/16 / track		
6/17											
7/25		26.5		26.5			533.9	832.3			
8/24		31.9		5.4			539.3	837.7			
8/30		38.4		6.5			545.8	844.2	oil change 8/30 / track		
BROUGHT FORWARD											
TOTALS											

N.B. error - figures revised by mistake! J.M.



ENGINE DESCRIPTION

Mfgr. Continental Place \_\_\_\_\_ Date \_\_\_\_\_

Type H-Proposed Model C-145 Serial No. 5150-D-0-2

Rated H. P. 145 Maximum H. P. 145 Weight (Dry) \_\_\_\_\_

Rated R. P. M. 2700 Maximum R. P. M. 2700 Oil Pressure \_\_\_\_\_

Bore \_\_\_\_\_ Stroke \_\_\_\_\_ Displacement \_\_\_\_\_ Cu. In. \_\_\_\_\_

Compression Ratio \_\_\_\_\_ Supercharger Ratio \_\_\_\_\_ Gear Ratio \_\_\_\_\_

Propeller McCawley Hub Design 1A 170 Hub Serial No. 52965

Blade Design \_\_\_\_\_ Blade Serial No. \_\_\_\_\_ Blade Serial No. \_\_\_\_\_

Maximum Hub H. P. \_\_\_\_\_ Maximum Blade H. P. \_\_\_\_\_

Pitch 53" Diameter 76" Length \_\_\_\_\_

Owners Name JAMES A. MAAS

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1966											
8/17					383.0		681.4		Time on engine at time of purchase by J. Massey. 8/17/66 first day flown since purchase. <u>(2290.0 on airframe)</u>		
8/19			1.6		384.6		683.0		check ride with Bob & one. practice - check ride with Bob & Keefe.		
8/20			1.7		386.3		684.7		San Carlos - Elko Nev.		
8/21									Elko Nev., Road to King Wyo, Fort Collins Colo.		
8/22									Fort Collins - Zuni - Rapid city		
8/23									Rapid city SD - Cotton - Hwy Ranch		
8/24									Hwy Ranch - South Bend Ind.		
8/25									South Bend - Cotton M. G.		
8/26											
9/5					415.1		713.5		Cotton M. G. - low		
9/7					415.1		713.5		oil changed - Aeroshell W 40 weight added. 7gts oil screen cleaned - carb air filter cleaned - exhaust stacks inspected. J.M.		