



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Airframe Entry N160CP:

Cirrus SR20 S/N 1751 Date: 5/11/07 Flight Hobbs: 90

Performed the following maintenance/ repairs: Installed G2 decals on vertical stab. Complied with SB2X-95-09R1 and SBA2X-95-10R2. Updated mfd to software 6.2.1. Secured pilot carpet with Velcro. Diagnosis convenience power receptacle, repair open in circuit PCP618-22. Tires Inspect for proper tire pressure. Brake System Check system for proper operation. Perform an airplane run-up in accordance with Operational/Functional Check in Section CMM 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted.

A&P400087835



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N160CP:

TCM IO360 Date: 7/13/07 Flight Hobbs: 143.0

Performed the following maintenance/ repairs Perform an Engine Operational Inspection, in accordance with Teledyne Continentals Motors Maintenance Manual, Section 5. Engine oil drain and change, serviced with 8 qt's Aeroshell 15W50. Oil Sump Plug/ Drain Visual Inspection for condition. Oil Filter Perform Inspection/Check - oil filter particles, none noted. Installed CH48108-1 Filter. Spark Plug Cable Leads Visual Inspection for chafing, corrosion, and deposits. Air Intake Ducts Visual Inspection for general condition.. Gascolator Fuel Filter and Bowl, Drain and clean. Exhaust System Perform Inspection/Check - Exhaust System. Breather Tube Visual Inspection for obstructions and security.. Perform an airplane run-up in accordance with Operational/Functional Check in SR20 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted.

A&P400087835



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N160CP:

TCM IO360 Date: 8/10/07 Flight Hobbs: 198.0

Performed the following maintenance/ repairs Perform an Engine Operational Inspection in accordance with Teledyne Continentals Motors Maintenance Manual, Section 5. Engine oil drain and change, serviced with 8 qt's Aeroshell 15W50. Oil Sump Plug/ Drain Visual Inspection for condition. Oil Filter Perform Inspection/Check - oil filter particles, none noted. Installed CH48108-1 Filter. Spark Plug Cable Leads Visual Inspection for chafing, corrosion, and deposits. Air Intake Ducts Visual Inspection for general condition.. Exhaust System Perform Inspection/Check - Exhaust System. Breather Tube Visual Inspection for obstructions and security.. Perform an airplane run-up in accordance with Operational/Functional Check in SR20 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted.

A&P400087835



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N160CP:

TCM IO360ES(6) S/N 360273 Date: 1/3/08 Flight Hobbs: 269

Performed the following maintenance/ repairs Performed Annual inspection utilizing Cirrus, TCM Maintenance Manuals and as per FAR 43.9 Appendix D. Changed Engine Oil/ Filter. Dissect Filter No Abnormalities Noted. Installed AA48108 Filter and Serviced with 8 Qt's Aeroshell 15W50. Engine Compression Functional Inspection in accordance with Teledyne Continentals Motors Maintenance Manual, Section 19 over 80 psi. 1- 75 2- 73. 3- 74. 4-74. 5-73. 6- 75. Spark Plugs Inspect. clean, re-gap and rotate in accordance with Teledyne Continentals Motors Maintenance Manual, Section 12. Fuel Injection System Functional Inspection of Fuel Injection System in accordance with Teledyne Continentals Motors Service Information Directive 97-3. Fuel injectors cleaned. Engine Baffling and Seals Visual Inspection for cracks, tears, and rips. Ignition Harness Inspect for high-tension leaks and continuity. Magneto Functional Inspect magneto to engine timing. Air Intake Ducts Visual Inspection for general condition. Induction System Filter Replace. Gascolator Fuel Filter and Bowl Drain and clean. Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers. Exhaust System Perform Inspection/Check. Exhaust Muffler/Heat Exchanger Perform Inspection/Check. Replaced heat exchanger with 70201-002 complying with SB 2X-78-07R1. Checked and complied with Airworthy Directives to date. see compliance report in aircraft records. Perform an airplane run-up in accordance with Operational/Functional Check in Section CMM 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted. **I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION**

[Signature] 4000878351A



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N160CP:

TCM IO360 Date: 5/28/08 Flight Hobbs: 300

Performed the following maintenance/ repairs Replaced tach drive connector 642121-RH, tach drive deal 641533, tach drive gasket 649980, tach sensor assy. 12323-001. Perform an airplane run-up Operational/Functional Check. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted.

[Signature] A&P400087835



N160CP

Date: 8/7/08

Engine

Hobbs: 373.5 Flight: 334.8

Changed engine oil. Serviced oil with 7 qts. 15w-50wt Aeroshell. Installed new oil filter pn# AA48108. Cut open old filter and inspected for metal debris. None found. Run-up checks good. No leaks noted.

Greg Herrmann 4069015631A

[Signature]

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Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N160CP:

TCM IO360ES(6) S/N 360273 Date: 12/29/08 Flight Hobbs: 383

Performed the following maintenance/repairs: Performed Annual inspection utilizing Cirrus, TCM Maintenance Manuals and as per FAR 43.9 Appendix D. Changed Engine Oil/ Filter. Dissect Filter No Abnormalities Noted. Installed AA48108 Filter and Serviced with 8 Qt's Aeroshell 15W50 Engine Compression Functional Inspection in accordance with Teledyne Continentals Motors Maintenance Manual. Section 19 over 80 psi: 1- 64 2- 64. 3- 64. 4-66. 5-66. 6- 64. Spark Plugs Inspect. clean, re-gap and rotate in accordance with Teledyne Continentals Motors Maintenance Manual. Section 12. Fuel Injection System Functional Inspection of Fuel Injection System in accordance with Teledyne Continentals Motors Service Information Directive 97-3. Engine Baffling and Seals Visual Inspection for cracks, tears, and rips. Ignition Harness Inspect for high-tension leaks and continuity. Magneto Functional Inspect magneto to engine timing. Air Intake Ducts Visual Inspection for general condition. Induction System Filter Replace. Gascolator Fuel Filter and Bowl Drain and clean. Throttle Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers. Exhaust System Perform Inspection/Check. Exhaust Muffler/Heat Exchanger Perform Inspection/Check. Checked and complied with Airworthy Directives to date. see compliance report in aircraft records. Perform an airplane run-up in accordance with Operational/Functional Check in Section CMM 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted. **I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION**

B.L. 400087831A



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N160CP Date: 10/2/2009

AT
ENGINE
Airframe

Hobbs:475.7 Flight: 436.2

Changed engine oil. Serviced oil with 8 qts. 15w-50wt Aeroshell. Installed new oil filter pn# AA48108. Cut open old filter and inspected for metal debris. None found. Oil analysis taken. Run-up checks good. No leaks noted.

Greg Herrmann 4069015631A

Greg Herrmann



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N160CP ENG. S/N: 360273 Date: 1/12/2010 Engine Hobbs: 493.7 Flight: 454.2 TSN: 454.2

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM rev. A2 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)72/80 2)70/80 3)72/80 4)70/80 5)76/80 6)72/80 master orifice 41psi.
2. Inspected fuel inlet filter.
3. Installed new induction air filter p/n BA-24.
4. Installed 6 new spark plugs pn# RHM38E.
5. Magneto timing set.
6. Fuel nozzles removed, cleaned and inspected.
7. Installed new gaskets and seals on #2 cylinder pn# 646560A1 due to oil leak at push tube seals.
8. Performed TCM SID97-3E functional inspection of fuel injection system.
9. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 4069015631A

Greg Herrmann

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



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Cincinnati OH 45228
(513) 321-1200

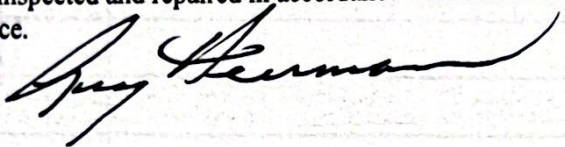


N160CP ENG. S/N: 360273 Date: 2/3/2011 Engine Hobbs: 577.4 Flight: 534.3 TSN: 534.3

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM rev. A2 Chapter 5-20 dated 15 Jun 2010 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)68/80 2)64/80 3)70/80 4)68/80 5)76/80 6)72/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Installed new induction air filter p/n BA-24.
6. Installed 6 new spark plugs pn# RHM38E.
7. Installed new right magneto p/n 6314 s/n 08090350.
8. Installed new left magneto p/n 6314 s/n 08090346.
9. Magneto timing set.
10. Adjusted drive belt tension on #1 alternator.
11. Performed TCM SID97-3E functional inspection of fuel injection system.
12. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA 



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Cincinnati OH 45228
(513) 321-1200

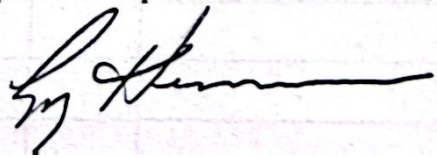


N160CP ENG. S/N: 360273 Date: 1/19/2012 Engine Hobbs: 595.4 Flight: 551.4 TSN: 551.4

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM rev. A2 Chapter 5-20 dated 15 Jun 2010 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)74/80 2)70/80 3)72/80 4)68/80 5)74/80 6)68/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n CH48108-1.
4. Inspected fuel inlet filter.
5. Installed new induction air filter p/n BA-24.
6. Cleaned and gapped spark plugs.
7. Magneto timing checked.
8. Left fuel manifold drain line found chaffed through. Installed new drain line p/n 642580.
9. Found oil leak at starter adapter cover plated. Installed new o-ring p/n 630979-24.
10. Performed TCM SID97-3E functional inspection of fuel injection system.
11. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA 

WARNING

- When installing drive gear or driver onto magneto, torque nut provided to 120 to 320 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

Right

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in Unison Industries' L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magnetos, see L-1500 Manual.

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No. _____

6314

Magneto Serial No. _____

08090350

Date of Installation _____

2/1/2011

L-1543-A



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N160CP ENG. S/N: 360273 Date: 3/11/2013 Engine Hobbs: 651.3 Flight: 606.7 TSN: 606.7

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM rev. B4 dated 1 May 2012 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)68/80 2)72/80 3)72/80 4)74/80 5)73/80 6)64/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. 12 ounces of Cam-Guard added.
4. Installed new oil filter p/n CH48108-1.
5. Inspected fuel inlet filter.
6. Installed new induction air filter p/n BA-24.
7. Cleaned and gapped spark plugs.
8. Magneto timing checked.
9. Performed TCM SID97-3E functional inspection of fuel injection system.
10. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N160CP ENG. S/N: 360273 Date: 3/25/2014 Engine Hobbs: 715.9 Flight: 671.3 TSN: 671.3

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)75/80 2)74/80 3)68/80 4)72/80 5)72/80 6)68/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. 12 ounces of Cam-Guard added.
4. Installed new oil filter p/n AA48108-2.
5. Inspected fuel inlet filter.
6. Installed new induction air filter p/n BA-24.
7. Cleaned and gapped spark plugs.
8. Magneto timing checked.
9. Performed TCM SID97-3E functional inspection of fuel injection system.
10. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N160CP ENG. S/N: 360273 Date: 4/7/2015 Engine Hobbs: 716.5 Flight: 671.8 TSN: 671.8

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)72/80 2)74/80 3)73/80 4)72/80 5)73/80 6)68/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. 12 ounces of Cam-Guard added.
4. Installed new oil filter p/n AA48108-2.
5. Inspected fuel inlet filter.
6. Installed new induction air filter p/n BA-24.
7. Cleaned and gapped spark plugs.
8. Magneto timing checked.
9. Performed TCM SID97-3E functional inspection of fuel injection system.
10. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



N160CP S/N 1751 Date: 8/28/2015 Engine eng. s/n 360273 Flight: 673.9

1. Found indications of sticking valves impacting piston on cylinders 1, 2, and 3.
2. Removed cylinders for evaluation.
3. Connecting rods magnafluxed and align checked.
4. Installed #1,#2 and #3 cylinder per TCM overhaul manual M-7 rev Dec 2014 for IO-360-ES series engine after repair by Signature engines under WO#E6579.
5. New piston rings installed on new pistons p/n 654861. All new gaskets and seals were used.
6. Oil change accomplished using 8 qts Aeroshell 100 mineral oil.
7. New oil filter installed p/n AA48108-2.
8. Oil sample taken for analysis.
9. Engine ground run satisfactory. No leaks noted.

This engine is deemed to be in an airworthy condition and is approved for flight.

Greg Herrmann 406901563IA



4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N160CP ENG. S/N: 360273 Date: 4/7/2017 Engine Hobbs: 723.0 Flight: 678.4 TSN: 678.4

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR20 AMM Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)62/80 2)70/80 3)65/80 4)68/80 5)68/80 6)70/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. 12 ounces of Cam-Guard added.
4. Installed new oil filter p/n AA48108-2.
5. Inspected fuel inlet filter.
6. Installed new induction air filter p/n BA-24.
7. Cleaned and gapped spark plugs.
8. Magneto timing checked.
9. Performed functional inspection of fuel injection system.
10. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

ENGINE MODEL: IO 360ES
6
ENGINE S/N: 360273
REG. NO: N160CP
WORK ORDER: 30546-09-2017

Commander Aero, Inc.
Repair Station No. GA5R-876M
10570 Springboro Pike
Miamisburg, Ohio 45342 USA
Phone: 888-881-5580

DATE: 10/5/2017
A/C TSN:
ENG. TT:
FLIGHTTIME: 679.6

Engine Entries

(2) Took Blackstone oil sample... (3) Checked Compression - 1) 78/80; 2) 75/80; 3) 76/80; 4) 70/80; 5) 74/80; 6) 72/80.... (4) Reset left and right mag timing to 24 degrees before TC.

Maintenance Release

The aircraft and/or component(s) on N160CP was repaired and inspected in accordance with current FAR's rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this repair station under Work Order No. 30546-09-2017

DATE: 10/5/2017

SIGNED:

Alvin Minzler
Minzler, Alvin
Certified Repair Station No. GA5R-876M

Work Order: 30546-09-2017

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N160CP Make Continental Model IO-360-ES6 Serial Number 360273 Log Entry Page 1 of 1	Heavy Metal Air LLC Westchester County Airport White Plains, NY 10604 914-461-2336	Date 12/18/17
		Flight Hobbs 732.9

Changed engine oil and oil filter. Installed a new CH48108-1 filter. Cut oil filter open and found clean. Serviced engine with 8 quarts of 20W50 Phillips oil. Operational check and leak check satisfactory.

---END---

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service with regards to work performed. Pertinent details of this repair are on file under work order number 1435 Date 12/18/17.

Signature: *Scott Hays* License number A&P 2780134

ENGINE MODEL: IO 360
ES 6
ENGINE S/N: 360273
REG. NO: 160CP
WORK ORDER: 11828



Lincoln Park Aviation
Repair Station No. LKPR101K
425 Beaverbrook Road
Lincoln Park, NJ 07035
Phone: 973-633-0450

DATE: 2/8/2018
A/C TSN: 778.1
ENG TT: 778.1
TSMOH:
TACH: 778.1

Engine Entries

(2) 100HR/ANNUAL/ENGINE - DRAINED OIL, CHANGE FILTER AND/OR CLEANED SCREENS, NO CONTAMINATION FOUND. CLEANED AND GAPPED SPARK PLUGS, CHECK COMPRESSION USING 80 PSI AS REFERENCE: #1) 75/80 #2) 75/80 #3) 75/80 #4) 72/80 #5) 75/80 #6) 71/80. CHECKED FUEL SYSTEM, DRAINED SUMPS. CHECKED MAGS AND TIMING. CHECKED PROP FOR LEAKS AND GREASED IF REQUIRED.... (4) INSTALL NEW PUSH ROD TUBE SEAL ON #5 CYLINDER EXHAUST VALVE WITH NEW, P/N: 641607 UPPER, P/N: 630286 LOWER.... (5) COMPLIED WITH AD 2008-11-18, INSPECTION EXHAUST SYSTEM AND HEAT EXCHANGER WELD MOUNT VAWW AD INSTRUCTIONS.... (8) RETORQUE & COTTER PIN ELEVATOR TRIM CARTRIDGE ROD END BOLT.... (9) INSTALLED NEW ENGINE BAFFLE SCREWS WHERE NEEDED.... (11) ADJUST MAGNETO TO ENGINE TIMING TO MANUFACTURES SPECS.... (15) CLEAN FIELD CONNECTOR ON ALT #2, VAWW M.M. OPERATIONAL CHECK SATISFACTORY.

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.

DATE: 2/8/2018

SIGNED:

Frank R Galella
Frank R Galella
Certified Repair Station No. LKPR101K

Work Order: 11828

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N160CP
Make Continental
Model IO-360-ES6
Serial Number 360273
Log Entry Page 1 of 1

Heavy Metal Air LLC
Westchester County Airport
White Plains, NY 10604
914-461-2336

Date 3/22/18
Flight Hobbs 820.5

Bro

Changed engine oil and oil filter. Installed a new CH48108-1 filter. Cut oil filter open and found clean. Serviced engine with 8 quarts of 20W50 Phillips oil. Operational check and leak check satisfactory.
---END---

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service with regards to work performed. Pertinent details of this repair are on file under work order number 1560 Date 3/22/18.

Signed Scott Kenyon License Number A&P2780134

Scott Kenyon

N160CP
Make Continental
Model IO-360-ES6
Serial Number 360273
Log Entry Page 1 of 1

Heavy Metal Air LLC
Westchester County Airport
White Plains, NY 10604
914-461-2336

Date 6/2/18
Tach 877.9
Airframe Total Time 877.9
Engine Total Time 877.9
Time Since New 877.9

Performed a 100 hour inspection I/A/W 14 CFR Part 43.13 Appendix D. Changed engine oil and oil filter. Installed a new CH48108-1 filter. Cut oil filter open and found clean. Serviced engine with 8 quarts of 20W50 Phillips oil. Performed compression test I/A/W TCM M-O MM, max leakage allowable is 48/80 - results: #1) 75/80, #2) 67/80, #3) 74/80, #4) 74/80, #5) 78/80, and #6) 71/80. Cleaned, gapped, rotated, and tested all spark plugs - OK. All AD's checked and listed thru BW 2018-11. Run-up and leak checked - OK.
---END---

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. Details of this inspection are on file under work order number 1633 Time 877.9 Date 6/2/18.

Signed Scott Kenyon License Number A&P 2780134

Scott Kenyon

N160CP
Make Continental
Model IO-360-ES6
Serial Number 360273
Log Entry Page 1 of 1

Heavy Metal Air LLC
Westchester County Airport
White Plains, NY 10604
914-461-2336

Date 1/11/19
Flight Hobbs 956.6
Airframe Total Time 956.6
Engine Total Time 956.6
Time Since New 956.6

Changed engine oil and oil filter. Installed a new CH48108-1 filter. Cut oil filter open and found clean. Serviced engine with 8 quarts of 20W50 Phillips oil. Installed 2 new Champion RHM38E spark plugs in #1 cylinder. Operational check and leak check satisfactory.
---END---

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service with regards to work performed. Pertinent details of this repair are on file under work order number 1953 Date 1/11/19.

Signed Scott Kenyon License Number A&P2780134

Scott Kenyon

N160CP
Make Continental
Model IO-360-ES6
Serial Number 360273
Log Entry Page 1 of 1

Heavy Metal Air LLC
Westchester County Airport
White Plains, NY 10604
914-461-2336

Date 3/15/19
Tach 966.2
Airframe Total Time 966.2
Engine Total Time 966.2
Time Since New 966.2

Performed an Annual Inspection I/A/W 14 CFR Part 43.13 Appendix D. Performed compression test I/A/W TCM M-O MM, max leakage allowable is 48/80 - results: #1) 73/80, #2) 72/80, #3) 74/80, #4) 69/80, #5) 75/80, and #6) 70/80. Installed 2 new RHM38E spark plugs. Cleaned, gapped, rotated, and tested spark plugs - OK. All AD's checked and listed thru BW 2019-05. Run-up and leak checked - OK.

---END---

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Details of this inspection are on file under work order number 2029 Time 966.2 Date 3/15/19.

Signed Scott Kenyon License Number A&P 2780134 IA

Scott Kenyon

N160CP
Make Continental
Model IO-360-ES6
Serial Number 360273
Log Entry Page 1 of 1

Date 4/10/20
Tach 1076.1
Airframe Total Time 1076.1
Engine Total Time 1076.1
Time Since New 1076.1

Performed an Annual Inspection I/A/W 14 CFR Part 43.13 Appendix D. Performed compression test I/A/W TCM M-O MM, max leakage allowable is 48/80 - results: #1) 74/80, #2) 68/80, #3) 74/80, #4) 64/80, #5) 72/80, and #6) 74/80. Changed engine oil and oil filter. Installed a new CH48108-1 filter. Cut oil filter open and found clean. Serviced engine with 8 quarts of 20W50 Phillips oil. Cleaned, gapped, rotated, and tested spark plugs - OK. Adjusted RH magneto timing as needed. All AD's checked and listed thru BW 2020-08. Run-up and leak checked - OK.

---END---

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Signed Scott Kenyon License Number A&P 2780134 IA

Scott Kenyon



Alpha One Flight Services
246 South Meadow RD
Plymouth, MA 02360

Date: 1/06/2021; Aircraft: N160CP; Engine - Type: IO-360ES6B, S/N: 360273, Time: 1175.6, SMOH: 1175.6
Inspected engine as per an annual inspection IAW FAR43.13 appendix D in reference to Continental and Cirrus service manuals. ADs checked through 2021-02. Serviced engine with 8 quarts of 20W50 Phillips and replaced the oil filter with new CH48108-1. Compressions as follows: #1 70, #2 64, #3 69, #4 70, #5 74, #6 71. Tightened the intake housing as needed. Removed and replaced the left muffler with new p/n A20560-001; installed with two new bolts p/n AN3-12A. Aircraft was test run, no leaks noted, ops. check good. All work performed IAW current Federal Aviation Regulations and was found to be in an air worthy condition and returned to service.

Mitchell Buckley
A+P 28302441.A.



Alpha One Flight Services
246 South Meadow Rd
Plymouth, MA 02360

Date: 6/07/2021; Aircraft: N160CP; Type: SR20; S/N: 1751; Hobbs: 1286.7; Tach: 1242.0; Total Time: 1242.0; Engine - Type: IO-360ES6B, S/N: 360273, SMOH: 1242.0; Prop - Type: PHC-J3YF-IRF, S/N: FP5198B, SMOH: 1242.0

Serviced engine with 8 quarts of 20W50 Philips and replaced filter with new CH48108-1. Aircraft was test run, no leaks noted, ops. check good. All work performed IAW current Federal Aviation Regulations and was found to be in an air worthy condition and returned to service.

Mitchell Buckley
A+P 28302441.A.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward 10/20/2022. N160CP, Continental, IO 360 ES6, SN: 360273, TTENG: 1437.3, Hobbs #1: 1437.3, Hobbs #2: 1483.0
 This engine was inspected IAW an Annual Inspection as per FAR 43, Appendix D and using Cirrus AMM as a guide.
 All AD's are current up through FAA Biweekly 2022 21, 09/09/2022 10/09/2022. I certify that this engine has been inspected IAW an Annual Inspection and has been determined to be in airworthy condition and is approved for return to service. TND: William A. Latham, Jr. AP 15570021A *William A. Latham, Jr.*

WEST West Aircraft Maintenance 280 Gardner Dr New Century KS 66031 19137024570	Make: Cirrus Model: SR20 Tail: N160CP S/N: 1751
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Hours: AC: 1,534.1 TT: 1,534.1 EngTT: 1,534.1 PropTT: 1,534.1 Hobbs: 1,579.8 Misc

Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. No AD's due at this Compression 1: 67/80 2: 70/80 3: 46/80 4: 60/80 5: 70/80 6: 63/80. Master orifice reading 42. Drained engine removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Phillips 20w50. Replaced cylinder # 1,2,3,5,8 rocker arm cover P/N 655704. I certify that this engine has been inspected 100 HR inspection and has been determined to be in an airworthy condition.

Signed: *Joshua Kennedy*
 Name: Joshua Kennedy
 Cert: Mechanic 4653415 AIP
 Date: 12/02/2022

Created 01/09/2023 S/N Engine 1 Tach 1593.90 TTIS 1593.90 TSOH 1593.90

removed engine driven fuel pump p/n 649368-46a4 s/n 806ja004 and replaced with serviceable unit of same p/n s/n 807aa199, replaced flow divider p/n 646508-10a7, s/n c06ja004, with serviceable unit of same p/n, s/n c07aa190. performed test flight, ops check good.

Adam Piepke A&P 3965513 Date: 1/9/23 Signature: *Adam Piepke*

Created 03/07/2023 S/N 360273 Engine 1 Tach 1633.70 TTIS 1633.70 TSOH 1633.70

Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. No AD's due at this time. Compression 1: 73/80 2: 63/80 3: 59/80 4: 68/80 5: 72/80 6: 68/80. Master orifice reading 47. Removed and replaced cylinder #3 with overhauled cylinder S/N 6541-1 kit, reconditioned connecting rod from Rick Romans, new piston P/N 654861, connecting rod bolt P/N 08-17249, connecting rod nut P/N 07-04897 and new piston pin P/N SA629690 all work done IAW Continental M-0 overhaul manual. Cylinder #3 compression after replacement 76/80 with master orifice reading 45. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W80. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Logan Baker #4638550 Date: 3/7/23 Signature: *Logan Baker*

Created 04/26/2023 S/N 360273 Engine 1 Tach 1733.70 TTIS 1733.70 TSOH 1733.70

Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. No AD's due at this time. Compression 1: 60/80 2: 60/80 3: 70/80 4: 70/80 5: 66/80 6: 70/80. Master orifice reading 46. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W100. Cleaned fuel injectors. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.


Josh Kennedy # 4653415 Date: 4/26/23 Signature: *Josh Kennedy*

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward 

Created 05/17/2023 S/N 360273 Engine 1 Tach 1828.20 TTIS 1828.20

TSOH 1828.20
 Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM 5-20-00 as reference. No AD's due at this time. Compression 1: 70/80 2: 58/80 3: 65/80 4: 56/80 5: 60/80 6: 70/80. Master orifice reading 46 psi. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W100. Cleaned fuel injectors. Replaced leaking rocker box gaskets on exhaust cyl# 1,6,5 and #4 cylinders. Tightened and Repaired leaking #5 and #3 primer drains. Installed new hardware on clamp for mixture cable mount. Removed LH magneto P/N 6314 S/N 08090346 and replaced with overhauled magneto P/N 6314 S/N H-X050178 using magneto gasket P/N 08-11573. Removed RH magneto P/N 6314 S/N 08090350 and replaced with overhauled magneto P/N 6314 S/N H-X050181 using magneto gasket P/N 08-11573. Timed magnetos per engine data plate. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Logan Baker P#4638550 Date: 5/17/23 Signature: 



Created 05/18/2023 S/N 360273 Engine 1 Tach 1831.10 TTIS 1831.10 TSOH 1831.10

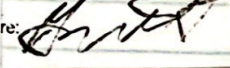
Replaced #3 fuel injector nozzle w/ serviceable used nozzle P/N:O470-310L ops/leak check good.

Gregory Warton # 3807766 A&P I A Date: 5/18/23 Signature: 



Created 05/23/2023 S/N 360273 Engine 1 Tach 1856.60 TTIS 1856.60 TSOH 1856.60


Adjusted metered fuel pressure per continental O.M. 6.4 ops check good.

Gregory Warton # 3807766 A&P I A Date: 5/23/23 Signature: 



Created 06/07/2023 S/N 360273 Engine 1 Tach 1926.10 TTIS 1926.10 TSOH 1926.10


Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. No AD's due at this time. Compression 1: 68/80 2: 74/80 3: 72/80 4: 72/80 5: 64/80 6: 60/80. Master orifice reading 46. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W100. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Josh Kennedy #4563415 Date: 6/7/23 Signature: 




Created 07/06/2023 S/N 360273 Engine 1 Tach 1975.70 TTIS 1975.70 TSOH 1975.70

Removed and replaced #2 cylinder with overhauled cylinder P/N 655479A8 S/N 6541-2 serviceable yellow tag with aircraft records. with reference to Continental M-0 Manual using single cylinder gasket set P/N SA360-T1. Replaced piston rings P/N's SA639570, SA639579, SA639758 and SA630678 gapping piston rings with reference to Superior air parts service letter L05-09B.

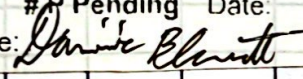
Logan Baker P#4638550 Date: 7/6/23 Signature: 


Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought For 

Created 07/19/2023
S/N 360273 Engine 1 Tach 2024.60
TTIS 2024.60 TSOH 2024.60

Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. No AD's due at this time. Compression 1: 72/80 2: 76/80 3: 70/80 4: 72/80 5: 62/80 6: 64/80. Master orifice reading 46. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W100. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Dominic Blewett #P Pending Date: 7/19/23
Signature: 

7-25-2023	2046.	3	2046.	3	Replaced LH & RH Magneto gasket P/N 641607. Replaced cyl #2 Exhaust pushrod tube gasket P/N 08-11392. Logan Baker P#4632550 
End					


9/12/23, 10:37 AM

Flight Schedule Pro



Created 09/12/2023 S/N 360273 Engine 1 Tach 2121.50 TTIS 2121.50 TSOH 2121.50

Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. No AD's due at this time. Compression 1: 66/80 2: 78/80 3: 60000/80 4: 74/80 5: 49/80 6: 63/80. Master orifice reading 46. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W100. Cleaned fuel injectors. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Josh Kennedy A&P# 4653415 Date: 9/12/23 Signature: 




Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections,

Created 11/09/2023 S/N 360273 Engine 1 Tach 2209.70 TTIS 2209.70 TSOH

2209.70

Performed 100 HR inspection IAW FAR 43 app D using Cirrus SR-20 AMM as reference. Researched AD's through ad bi-weekly report 2023-23. Compression 1:50/80 2: 50/80 3: 61/80 4: 60/80 5: 47/80 6: 55/80. Master orifice reading 44. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W80. Replaced #3 and #5 fuel drain gaskets W/New P/N: 633958-2. I certify that this engine has been inspected in accordance with an annual/100 hour inspection per FAR part 43 appendix D and was determined to be in airworthy condition.

Gregory Warton # 3807766 A&P IA Date: 11/09/2023 Signature: 



Created 01/05/2024 S/N 360273 Engine 1 Tach 2303.60 TTIS

2303.60 TSOH 2303.60

Performed 100 HR inspection IAW FAR 43 app D with Cirrus SR-20 AMM as reference. Researched AD's through bi-weekly report 2023-27 No applicable AD's due at this time. Compression 1: 62/80 2: 72/80 3: 60/80 4: 60/80 5: 50/80 6: 50/80. Master orifice reading 47psi. Drained engine oil removed oil filter and cut open. No metal found. Installed new oil filter P/N AA48108-2. Added 7qts of Aeroshell W80. Installed new baffle spring under #2, #4, #6 cylinder. I certify that this engine has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition.

Logan Baker P#4638550 Date: 1/5/24 Signature: 