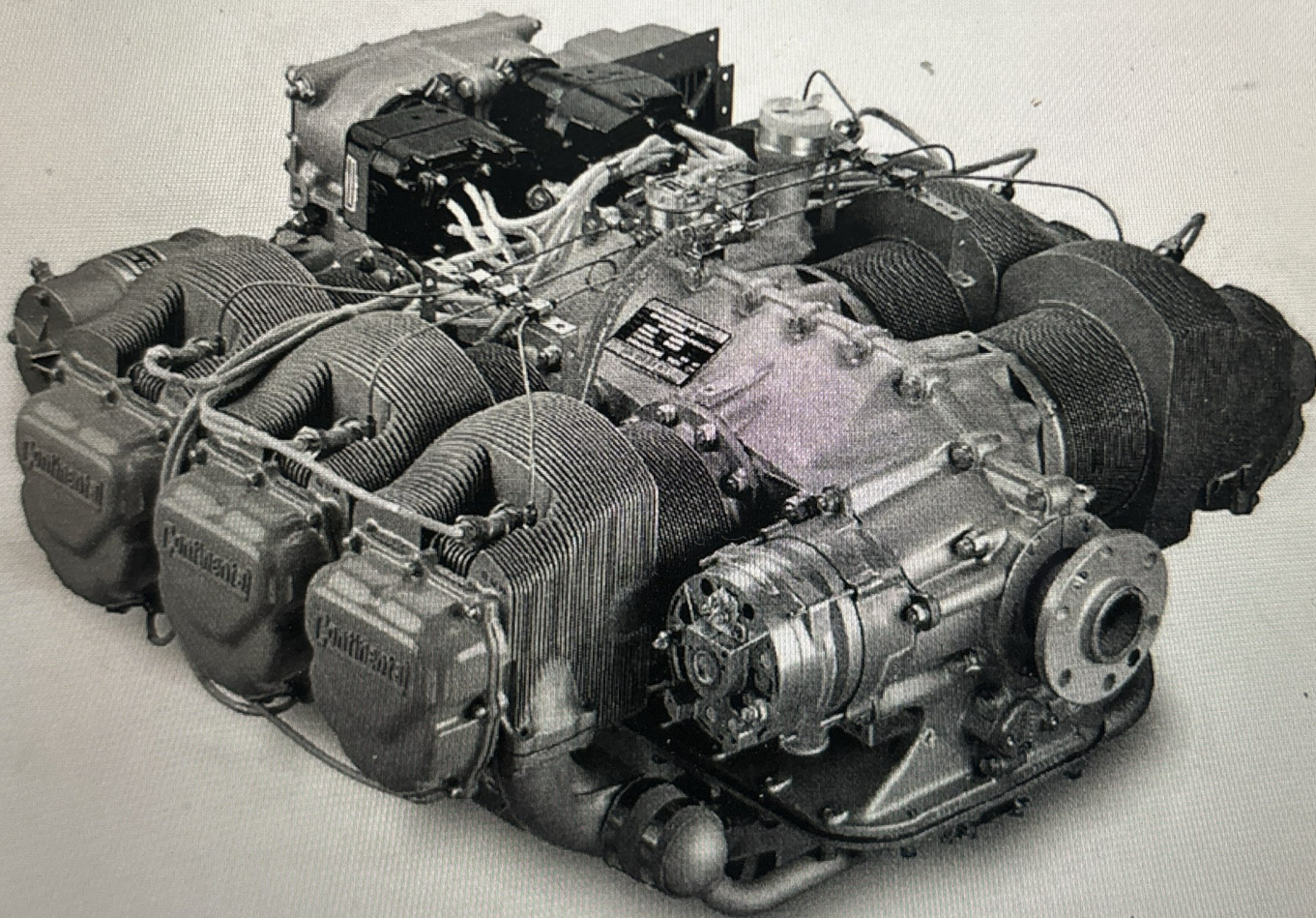


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 12/11/2006

This engine model 10360E86

, Serial No. 360319 was manufactured on 12/10/2006



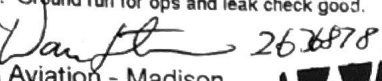
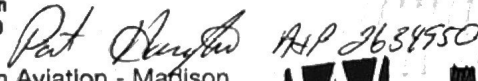
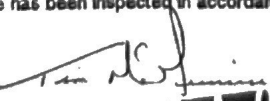
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 506

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.	
ENGINE MODEL: IO-360ES (61) ENGINE S/N: 360319 REG. NO: N647MD WORK ORDER: 8458-02-2007	 Cirrus Design Factory Service Center Repair Station No. YDSR855Y 4515 Taylor Circle Duluth, MN 55811 Phone: 218-788-3101		DATE: 2/20/2007 AFTSN 54 ENFTT 54 HUEBS 54		
Engine Entries (1) Adjusted oil pressure relief valve IAW TCM IO-360 Overhaul Manual X30594A. Ground run ok within limits IAW POH manual.					
I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS: YDSR855Y.					
DATE: 2/20/2007		SIGNED:  Ross Sarkela Certified Repair Station No. YDSR855Y		Work Order: 8458-02-2007 Printed by EBis 3 (datcomedia.com)	
Date: 4/23/2007; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 23.9; Total Time: 23.9 ***Engine Work*** ID 2657 Changed oil and filter (CH48108-1), took sample, cut filter, no metal noted, serviced engine with 8 qts. Aeroshell 100M. Ground run for ops and leak check good. Dan Stammen A&P 2636878  2636878					
<input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003			<input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567		
Date: 6/28/2007; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 57.5; Total Time: 57.5 Flt Hobbs: 57.5 Hobbs: 71.4 ***Engine Work*** ID 2879 Changed oil and filter (CH48108-1), took sample, cut filter, no metal noted, serviced engine with 8 qts. Aeroshell 100M. Ground run for ops and leak check good. Pat Harrington A&P 2634950  A&P 2634950					
<input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003			<input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567		
Date: 2/01/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 92.8; Total Time: 92.8; Engine - Type: IO-360ES6, S/N: 360319, Time: 92.8; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 92.8 Flt Hobbs: 92.8 Hobbs: 110.3 ***Engine Work*** ID 3456 Completed an Annual Inspection in accordance with the Cirrus Design SR20 Inspection Form and Service Manual. Changed oil and filter p/n Ch48110-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1) 78/80, #2) 77/80, #3) 78/80, #4) 76/80, #5) 78/80, #6) 76/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Replaced baffle support fastener p/n 641346 and inner cylinder baffle spring p/n 641347 located between #2 and #4 cylinders with new. Ground run for ops and leak ck good. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Tim McGuire A&P473138392IA  A+P473138392IA					
<input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003			<input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567		

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 →					

Date: 7/16/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 146.5; Total Time: 146.5
 Engine Work ID 3980
 FR Hobbs: 146.5 Hobbs: 169.3.
 Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8qts. 15W50 AeroShell.
 Ground run for ops and leak check good.

Doug Seibel
 A&P389765035 IA

Doug Seibel 1A389765035

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 608-268-5003



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 1741 River Drive
 Watertown, WI 53094
 920-261-4567

Date: 8/19/2008; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 221.40; Tach.; Total Time: 221.40;
 Engine - Type: S/N:
 **** Engine Log Entry **** Log ID 4354
 Drained oil and took sample. Removed and cut filter. No metal noted. Installed CH48108-1 Champion oil filter and serviced with 8 quarts 15W50 Aero Shell oil. Post run for leak check good. All work accomplished in accordance with current technical instructions.

Kevin Emery
 AP 2723661

Kevin Emery

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 Madison, WI 53704
 608-268-5003



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 920-261-4567

Date: 11/21/2008; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: ~~237.2~~ 280.0 MKD; Total Time: 237.2 FT
 Engine Work ID 4342
 AD 08-08-14 (3/12/08) Precision Airmotive LLC (Precision Airmotive LLC MSB PRS-107) fuel injection servo regulator cover plug gasket inspection not applicable to engine model. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 AeroShell. Ground run for ops and leak check good.

Doug Seibel
 A&P389765035 IA

Doug Seibel 1A389765035

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 1741 River Drive
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NK

ce Record
pecial Inspections,

Date: 2/27/2009; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 245.1; Total Time: 245.1; Engine - Type: IO-360ES6, S/N: 360319, Time: 245.1; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 245.1
Flt Hobbs: 245.1 Hobbs: 291.9.
Engine Work ID 4432

Completed an Annual inspection in accordance with the Cirrus Design SR20 Inspection Form and Service Manual. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1) 76/80, #2) 78/80, #3) 76/80, #4) 77/80, #5) 78/80, #6) 76/80. Cleaned, gapped and tested spark plugs. AD 09-02-03 (2/9/09) Fuel injection servo regulator cover plug gasket inspection, not applicable by engine not equipped with RSA fuel servo. Replaced oil pressure adjuster crush gasket p/n MS35769-18 with new. Replaced vernatherm p/n 639305 s/n 156174 with new. Complied with TCM 300 hr fuel injector nozzle cleaning. Checked mag to engine timing. Checked engine control travels and lubricated. Ground run for ops and leak ck good.

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

Kevin K. Fenske
A&P2886592 IA

Kevin K. Fenske IA2886592

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920-261-4567

Date: 9/17/2009; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 286.9; Total Time: 286.9
Flt Hobbs: 286.5 Hobbs: 349.0.

Engine Work ID 5067

Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Ground run for ops and leak check good.

Dan Stammen
A&P 2636878

Dan Stammen 2636878 A&P

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Date: 3/10/2010; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 311.3; Total Time: 311.3; Engine - Type: IO-360ES6, S/N: 360319, Time: 311.3; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 311.3
Hobbs: 380.8 Flight Hobbs: 311.3

Engine Work

Completed an Annual inspection in accordance with FAR 43, Appendix D. AD 09-24-52 (11/18/09) Hydraulic Valve Lifters not applicable due to engine mfg date and no lifter work done is time specified in AD. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Ground run for ops and leak check good. Compression test as follows: #1) 76/80, #2) 74/80, #3) 74/80, #4) 78/80, #5) 78/80, #6) 78/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated.

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

Kevin K. Fenske
A&P2886592 IA

Kevin K. Fenske IA2886592

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Date: 9/30/2010, Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 343.3; Total Time: 343.3
Hobbs 425.9 Flight Hobbs 343.3

*** Engine Work ***

Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Ground run for ops and leak check good.

Doug Sebel
A&P389765035 IA

Doug Sebel IA389765035

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Engine Service and Maintenance Record

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

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

Brought

Date: 3/25/2011; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 373.1; Total Time: 373.1; Engine - Type: IO-360ES6, S/N: 360319, Time: 373.1; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 373.1
 Hobbs: 463.9 Flight Hobbs: 373.1
 Engine Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.
 AD 10-11-04 (6/16/10) Hydraulic Valve Lifters not applicable due to engine mfg year and no lifter work performed during dates specified in AD. Changed oil and filter CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1) 77/80, #2) 76/80, #3) 77/80, #4) 79/80, #5) 78/80, #6) 78/80. Replaced #2, #4 and #6 cylinder exhaust gaskets 630365 with new. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Ground run for ops and leak check good.

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

Kevin K. Fenske
 A&P2886592 IA

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 920-261-4567

Date: 9/29/2011; Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 392.0; Total Time: 392.0
 Hobbs: 489.4 Flight Hobbs: 392.0
 Engine Work

Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. Aeroshell 15W50. Ground run for ops and leak check, good.

Doug Seibel
 A&P389765035 IA

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 920-261-4567

Date: 3/22/2012, Aircraft: N647MD; Type: SR20; S/N: 1772; Hobbs: 418.3; Total Time: 418.3; Engine - Type: IO-360ES6, S/N: 360319, Time: 418.3; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 418.3
 Hobbs: 524.5 Flight Hobbs: 418.3
 Engine Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.
 AD 11-26-07 (1/24/12) Magneto impulse coupling stop pin inspection does not apply by magneto serial numbers installed not affected. AD 12-03-06 (2/24/12) AvStar Fuel System fuel servo diaphragm inspection is not applicable by no fuel servo work done during times specified in the AD SB2X-74-01 (11/15/11) Fine wire spark plug replacement previously completed with, installed new RHM38E spark plugs.
 Changed oil and filter CH48108-1 took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1) 76/80, #2) 74/80, #3) 72/80, #4) 74/80, #5) 74/80, #6) 74/80.

Checked mag to engine timing. Re timed left and right magneto to engine 24 degrees per Continental specifications. Checked engine control travels and lubricated. Replaced starter drive o-ring p/n 630979-24 with new and sealed bolts. Ground run for operational and leak checks good.

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

Doug Seibel
 A&P389765035 IA

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 608-268-5003



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 920-261-4567

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 -

Date: 4/08/2013; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 437.6; Total Time: 437.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 437.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 437.6
Hobbs: 554.2 Flight Hobbs: 437.6
Engine Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.
Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Ground run for operational and leak checks good. Compression test performed in accordance with TCM SB03-3, compressions as follows: #1) 76/80, #2) 78/80, #3) 74/80, #4) 77/80, #5) 76/80, #6) 76/80. Master Orifice of the day 54. Performed borescope inspection per TCM SB03-3, no defects noted.
Removed and sent left and right magnetos to Poplar Grove Airmotive, Inc for inspection. Installed left magneto, p/n 6314, s/n 06091264, after repair by Poplar Grove Airmotive, Inc, CRS# YYBR664L, Wo# 5415, dated 4/4/2013. Installed right magneto, p/n 6314, s/n 06091248, after repair by Poplar Grove Airmotive, Inc, CRS# YYBR664L, Wo# 5415, dated 4/4/2013. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Adjusted left exhaust collector bolt nut for proper spring extension. Ground run for operational and leak check good.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Bobby Wangler
A&P 2702325 IA

Bobby Wangler A&P 2702325 IA

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Date: 5/19/2014; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 474.5; Total Time: 474.5; Engine - Type: IO-360-ES6, S/N: 360319, Time: 474.5; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 474.5
Hobbs: 599.2 Flight Hobbs: 474.5
Engine Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.
SA 13-06 Aneroid Fuel Pumps is not applicable by engine model number not affected and no fuel pump replacements with affected units.
Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test performed in accordance with TCM SB03-3, compressions as follows: #1) 71/80, #2) 72/80, #3) 73/80, #4) 70/80, #5) 75/80, #6) 74/80. Master Orifice of the day 46/80. Performed borescope inspection per TCM SB03-3, no defects noted. Replaced all spark plugs p/n URHM38E with new. Checked mag to engine timing. Adjusted Mag to Engine timing to 24 degrees BTDC per TCM maintenance manual. Checked engine control travels and lubricated. Ground run for operational and leak check good.

I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Dan Stammen
A&P 2636878 IA

Dan Stammen A&P 2636878 IA

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Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

Date: 11/14/2014; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 498.0; Total Time: 498.0
Hobbs: 628.6 Flight Hobbs: 498.0
*** Engine Work ***

Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 7 qts. PHILLIPS X/C 20W50 and 1 pt of CamGuard. Ground run for operational and leak checks good.

Benjamin J. Pitterle
A&P 390747277 IA

Benjamin J. Pitterle A&P 390747277 IA

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Madison, WI 53704
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Wisconsin Aviation - Watertown
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920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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Date: 4/21/2016; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 521.5; Total Time: 521.5
 Hobbs: 661.2 Flight Hobbs: 521.5

Engine Work

Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. Phillips X/C 20W50 and 1 pint CamGuard. Ground run for operational and leak checks good.

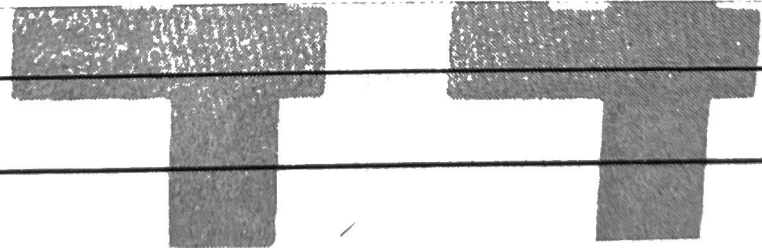
Jacob Fellmeth
 A&P 3710142

Jacob Fellmeth A&P 3710142

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Engine Service and Maintenance Record

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

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

Brought For

Date: 6/25/2015; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 501.6; Total Time: 501.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 501.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 501.6
Hobbs: 635.2 Flight Hobbs: 501.6

Engine Work
Completed an Annual inspection in accordance with FAR 43, Appendix D. Serviced engine with 8 qts. Phillips X/C 20W50. Compression test performed in accordance with TCM SB03-3, compressions as follows: #1) 76/80, #2) 74/80, #3) 74/80, #4) 72/80, #5) 76/80, #6) 72/80. Master Orifice of the day 46/80. Performed borescope inspection per TCM SB03-3, no defects noted. Checked mag to engine timing. Checked engine control travels and lubricated. Ground run for operational and leak check good.

I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Randall Effinger
A&P 3439510 IA *Randall Effinger*

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Madison, WI 53704
608-268-5003



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1741 River Drive
Watertown, WI 53094
920-261-4567

Date: 7/11/2016; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 537.2; Total Time: 537.2; Engine - Type: IO-360-ES6, S/N: 360319, Time: 537.2; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 537.2
Hobbs Time 678.9, Flight Hobbs 537.2

Engine Work
Completed an Annual inspection in accordance with FAR 43, Appendix D. Compression test performed in accordance with TCM Standard Practice Maintenance Manual M-0, compressions as follows: #1) 73/80, #2) 72/80, #3) 74/80, #4) 74/80, #5) 74/80, #6) 74/80. Master Orifice of the day 46/80. Performed borescope inspection per TCM Standard Practice Maintenance Manual M-0, no defects noted. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. Phillips X/C SL20W50 oil. Checked mag to engine timing. Checked engine control travels and lubricated. Adjusted idle mixture per manufacturer specifications.

Performed ground run, operational, and leak checks - no defects noted. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Randall Effinger
A&P 3439510 IA *Randall Effinger*

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Date: 9/15/2016; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 557.1; Total Time: 557.1
Hobbs: 702.9, Flight Hobbs: 557.1

Engine Work
Changed oil and filter p/n CH48018-1, took sample, cut filter, no metal noted, serviced engine with 7 qts. Phillips X/C 20W50 and 1 pint CamGuard. Ground run for ops and leak ck normal.

Chris Armstrong
A&P 3565688 *Chris Armstrong*

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Engine Service and Maintenance Record

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

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

Date: 8/02/2017; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 572.4; Total Time: 572.4; Engine - Type: IO-360-ES6, S/N: 360319, Time: 572.4; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 572.4
 Flight Hobbs: 572.4
 Engine Work

Completed a annual inspection, in accordance with FAR 43, Appendix D. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 7 qts. Phillips 20W50. Compression test as follows: #1) 72/80, #2) 72/80, #3) 73/80, #4) 65/80, #5) 72/80, #6) 73/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Ground run for ops and leak ck good.

I certify that this engine has been inspected in accordance with a annual inspection and was determined to be in airworthy condition.

Dan Stammen
 A&P 2636878 IA

Dan Stammen

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 920-261-4567

Date: 9/19/2018; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 577.5; Total Time: 577.5; Engine - Type: IO-360-ES6, S/N: 360319, Time: 577.5; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 577.5
 Engine

Completed an Annual inspection in accordance with FAR 43, Appendix D. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted. Serviced engine with 7 qts 20W50 oil. Compression test performed in accordance with TCM Standard Practice Maintenance Manual M-0, compressions as follows: #1) 76/80, #2) 70/80, #3) 74/80, #4) 74/80, #5) 74/80, #6) 72/80. Master Orifice of the day 44/80. Performed borescope inspection per TCM Standard Practice Maintenance Manual M-0, no defects noted. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Performed ground run, operational, and leak checks - no defects noted. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Doug Seibel
 A&P389765035 IA

Doug Seibel 1A389765035

Wisconsin Aviation - Madison
 3606 Corben Court
 Madison, WI 53704
 608-268-5003



Wisconsin Aviation - Watertown
 1741 River Drive
 Watertown, WI 53094
 920-261-4567

Date: 10/04/2019; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 579.6; Total Time: 579.6; Engine - Type: IO-360-ES6, S/N: 360319, Time: 579.6; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 579.6
 Engine Work

Completed an Annual inspection in accordance with FAR 43, Appendix D. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 7 qts. 20W50 Phillips. Compression test as follows: #1) 72/80, #2) 72/80, #3) 70/80, #4) 70/80, #5) 68/80, #6) 66/80. Master Orifice 46/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Performed ground run, operational, and leak checks - no defects noted. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Benjamin J. Pitterle
 A&P390747277 IA

Benjamin J. Pitterle FA390747277

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 3606 Corben Court
 Madison, WI 53704
 608-268-5003



Wisconsin Aviation - Watertown
 1741 River Drive
 Watertown, WI 53094
 920-261-4567

Date: 4/01/2021; Aircraft: N647MD; Type: CIRRUS SR20; S/N: 1772; Hobbs: 580.7; Total Time: 580.7; Engine - Type: IO-360-ES6, S/N: 360319, Time: 580.7; Prop - Type: PHC-J3YF-1RF, S/N: FP5374B, Time: 580.7
Engine Work

Record

Inspection

Completed an Annual inspection in accordance with FAR 43, Appendix D. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 7 qts. 20W50 Phillips. Compression test as follows: #1) 70/80, #2) 70/80, #3) 65/80, #4) 63/80, #5) 70/80, #6) 60/80. Master orifice 44/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Performed ground run, operational, and leak checks - no defects noted. All work performed in accordance with approved/current technical data. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Jon Weigand
7 268 28274

Jon Weigand
A&P 3678294

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-281-1527

ENGINE LOG



Reg: N647MD	Eng. S/N: 360319
Type: CIRRUS	Model: SR20
Year: 2011	Time: 580.7
TSMOH: 583.2	

1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D using manufactures MM as a guide.
2. Removed and cut open oil filter, NDN installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
3. Checked compressions
#1:73 #3:73 #5:74 #2:70 #4:70 #6:64.
4. R&R 4 new spark plugs P/N URHB32.
5. Removed cleaned connectors on oil PSI transducer.

I certify that this ENGINE has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P3303419I/A Jeff Pleiman

Signed: *Jeff Pleiman*

WWW.STEELAVIATION.COM

Brought Forward →

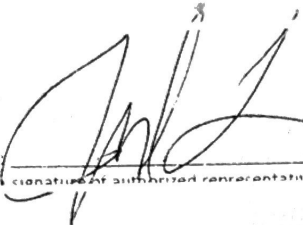


ENGINE LOGBOOK ENTRY

06/15/2022 N647MD Tach: 620.1

Performed 50 hour inspection. Changed oil and filter. Inspected filter. Filter free of evidence of metal particles. Serviced with 8 quarts Aeroshell X/C Phillips 20W50 and AA48108-2 filter. Washed, ran up and leak checked.

This 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 24537.

Signed: 
signature of authorized representative



Rite-Way Aviation
Repair Station M141R321
7814 Eagle Lane, Spring, TX 77379

Spring24854-02-2023 (09-12-2023)

Page 1 / 2

MAKE: Cirrus
MODEL: SR20
S/N: 1772
REG. NO.: N647MD

Rite-Way Aviation
FAA Cert: YWYR832L
7814 Eagle Lane
Spring, TX 77379

W/O #: Spring24854-02-2023
DATE: 09-12-2023
A/C IT: 908.9
A/C Tach: 717.7
ENG IT:
Hobs:
TSMOH

Engine

- Completed Oil Change. Added 8qt. of 20W-50 Phillips X/C. Installed new P/N: AA48108 filter. Removed old filter, cut open inspected contents, no indications of metal noted.
- Completed Airframe Annual Inspection of Cirrus SR20 Per Rite-Way Aviation Form RW1 & RW4 (01/10/2023) per and exceeding requirements of Title 14 CFR Part 43 Appendix D. Performed operational check of safety systems, leak check of airframe components, no defects are noted at this time.
- Performed 100hr/Annual Inspection of Engine. compressions are as followed #1-69/80 #2-74/80 #3-68/80 #4-69/80 #5-75/80 #6-76/80. Cleaned Gapped and Retorted spark plugs. Performed engine run, leak and operational check of all systems. All checks are normal.
- Performed 100hr/Annual Inspection of Propeller, inspected hub and blades and blended as needed. All operational checks are normal at this time.
- Coordinated with client on workorder status, inspection items, component pricing and lead time. Completed AD research, time-controlled items, component research, technician direction, maintenance manual review and OEM coordination as required.

MAKE: Cirrus
MODEL: SR20
S/N: 1772
REG. NO.: N6471 D

RITEWAY AVIATION

an AERONAUTIC company

FAA Cert:
YWYR832L
7814 Eagle I
Spring, TX 7 379

W/O #: Sp ng25280-02-2024
DATE: 03-05-2024
A/C T1:
A/C Tach: 811.9
Hobbs: 1021.1

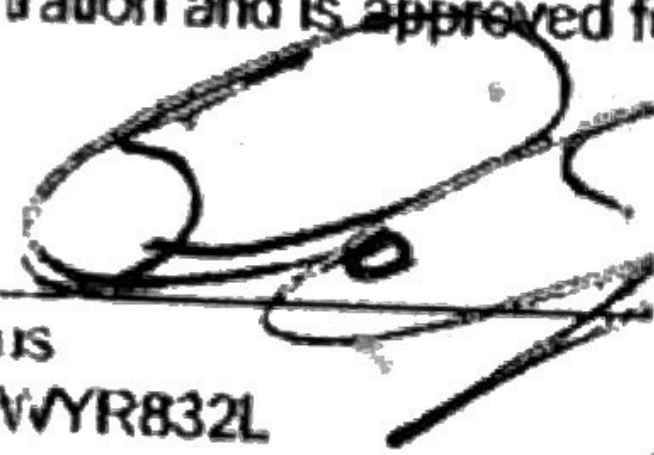
Engine

- Complete compressions, cylinder #1-78/80, #2-70/80, #3-74/80, #4-60/80, #5-68/80, #6-70/80 per Continental M-O. Installed 6 new M674 gaskets in spark plugs. Removed old oil filter and inspected contents with no discrepancies noted. Installed new filter P/N: Ch48108-1. Run up and leak check are good at this time.

This 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

DATE: 03-05-2024

SIGNED:
Shawn Jus
FAA Cert: WYR832L



WORK ORDER: Sp ng25280-02-2024
Printed by EBIS (EBISCloud.com)

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.	
Flight Forward →					

Spring 25107-09-2023 (10-03-2023)

MAKE: Cirrus
MODEL: SR20
S/N: 1772
REG. NO.: N647MD

Rite-Way Aviation
FAA Cert: YWYR832L
7814 Eagle Lane
Spring, TX 77379

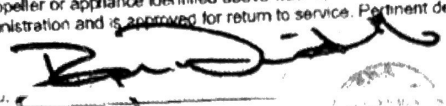
Page 1/1
W/O #: Spring 25107-09-2023
DATE: 10-03-2023
A/C Tach: 947.4
A/C Tach: 751.1
ENG TT
Hobbs:
TSVOH:

Engine

3 Removed old oil and filter. Cut open used filter and inspected contents. no indications of metal or debris noted. Replaced with new filter.
P/N: AA48108-2 and added 8qt. of X/C Phillips 66 20W-50 oil. Performed leak check. no leaks noted.

This 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

DATE: 10-03-2023

SIGNED:

Ryan D. Davidson
FAA Cert: YWYR832L



WORK ORDER: Spring25107-09-2023
Printed by EBIS (EBIScloud.com)

Spring 25178-11-2023 (11-21-2023)

MODEL: SR20
S/N: 1772
REG. NO.: N647MD

Rite-Way Aviation
FAA Cert: YWYR832L
7814 Eagle Lane
Spring, TX 77379

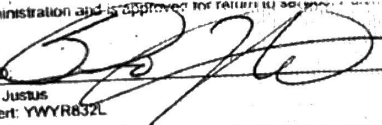
Page 1/1
W/O #: Spring25178-11-2023
DATE: 11-21-2023
A/C Tach: 785.5
Hobbs: 989.5

Engine

Completed oil change. Added 8 quarts of Phillips X/C 20W-50. Removed old filter, cut open, and inspected contents. Installed new AA48108-2 filter. Performed engine run, and leak check of engine is satisfactory. No defects noted at this time.

This 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

DATE: 11-21-2023

SIGNED:

Shawn Jusus
FAA Cert: YWYR832L

WORK ORDER: Spring25178-11-2023
Printed by EBIS (EBIScloud.com)

**FIXED WING
AVIATION MAINTENANCE**

Fixed Wing Aviation Maintenance
Lakeland Linder Regional Airport (KLAL)
3454 Airfield Drive West Lakeland FL 33811
www.fixedwingaviation.com 863-606-5757

Date: 5/24/2024, Aircraft: N647MD, Type: SR20, Hobbs: 1046.60, Tach: 833.90, Total Time: 833.90, Engine - Type: IO-360-E66, S/N: 360319

Engine log book entry:
-Removed LH magneto P/N 6314 S/N 06091264 and installed O/H exchange magneto LH P/N 6314 S/N 10061331 as required. Next replacement due: 05/2024
-Removed RH magneto P/N 6314 S/N 06091248 and installed O/H exchange magneto RH P/N 6314 S/N 22030646 as required. Next replacement: 5/2024.
-Drained oil and serviced with . Removed and replaced oil filter and cut open oil filter for inspection.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Steve Miller:  10/27/2023