

**AIRCRAFT  
MAINTENANCE RECORDS**

**N 297CD**

**ENGINE  
LOG BOOK**



# AIRCRAFT MAINTENANCE RECORD

Page No. \_\_\_\_\_

Date	Total Time	DESCRIPTION OF WORK PERFORMED
<b>CARRIED FORWARD</b> →		SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK



Victor Aviation Services, Inc.  
 P.O. Box 50608  
 Palo Alto, CA 4303-0608  
 (650) 354-1399  
 F.A.A. Certified  
 Repair Station #BJ3R399L

A/C Reg. #	N297CD	A/C Ser. #	1232	W.O. #	17774
Engine Make:	Continental	Engine Model:	IO-360-ES		
Serial Number:	357535	Eng. T.T.	1475.0	S.M.O.H	"0"
A/F T.T	1475	Hobbs Time			

1. Performed engine major overhaul in accordance with the current overhaul manual for this model using new cylinders.
2. Cylinder serial numbers are: #1. AC201B092, #2. AC201B363, #3. AC201B331, #4. AC201B159, #5. AC201B164, #6.AC201B114.
3. Overhaul included the following certified accessories. Magnetos, ignition harness, sparkplugs, fuel pump, fuel control/ throttle body, flow divider, injection nozzles and starter.
4. The engine identified above has been inspected and repaired in accordance with current Federal Air Regulations and was found airworthy for return to service for the work performed. Pertinent details of the repair are on file at this agency under repair order 17774 dated May 7, 2021.
6. Engine was test ran satisfactorily upon completion of the above work.
7. See rear of log for AD listing.
8. Engine was not installed by this agency. Nothing follows

Inspector: *J. M. Pava*  
 For repair station BJ3R399L Victor Aviation Services, Inc.

6/29/2021

## CAUTION

**DO NOT USE ASHLESS DISPERSANT (DETERGENT) OIL IN THIS ENGINE UNTIL OIL CONSUMPTION STABILIZES AND APPROVAL HAS BEEN GIVEN BY VICTOR AVIATION SERVICES INC.**

## IMPORTANT

**OIL HOSES AND ALL OTHER OIL RELATED ACCESSORIES MUST BE CERTIFIED PRIOR TO INSTALLATION OF THIS ENGINE OR VICTOR AVIATION WARRANTY MAY BE VOIDED.**

**FUEL INJECTION SYSTEM MUST BE ADJUSTED UPON INSTALLATION OF ENGINE IN ACCORDANCE WITH CURRENT EDITION OF CMI MAINTENANCE MANUAL M-0 (AND OR STC HOLDER'S INSTRUCTIONS FOR TURBO NORMALIZED AND INTERCOOLED MODIFIED ENGINES) PRIOR TO FLIGHT OR WARRANTY MAY BE VOIDED.**

Victor Aviation Services Inc.  
 FAA Certified Repair Station #BJ3R399L

	<b>SUB-TOTAL</b> THIS PAGE
	<b>TOTAL</b> - CARRY FORWARD TO NEXT PAGE

# AIRCRAFT MAINTENANCE RECORD

Date	Total Time	DESCRIPTION OF WORK PERFORMED			
		SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK			
<b>CARRIED FORWARD</b> →		<b>EL AERO SERVICES, LLC.</b>		Engine Make: <u>CONTINENTAL</u>	
		A/C Make: <u>cirrus</u>	P.O. Box 159	Engine Model: <u>IO-360-ES</u>	
		A/C Model: <u>SR20</u>	Elko, NV 89803	S/N: <u>357535</u>	
		Reg. No.: <u>N297CD</u>	F.A.A. Certificated Repair Station #9WQR791C	Engine TT: <u>1435</u>	
		S/N: <u>1232</u>		S.M.O.H.: <u>0</u>	
		Tach: <u>1435</u>	ENGINE LOGBOOK INSERT	W.O. #: <u>23513</u>	
		A/F TT: <u>1435</u>			
The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is authorized for return to service. Pertinent details are on file at this agency.					
#1 REMOVED ENGINE IAW CIRRUS SR20 MM AND SENT OUT FOR OVERHAUL BY VICTOR AVIATION #2 REMOVED PROPELLER AND PROP GOVENOR AND SENT OUT FOR OVERHAUL TO AMERICAN PROPELLER. #3 REMOVED ALL ENGINE FLEXIBLE FLUID LINES AND SEND OUT TO AERO PERFORMANCE FOR NEW BUILT UP LINES. #4 INSTALLED OVERHAULD ENGINE FROM VICTOR AVIATION IAW CIRRUS MM SR20 #5 INSTALLED PROPELLER AND PROP GOVENER IAW CIRRUS AND MCCALLEY MM. #6 INSTALLED ALL FLEXIBLE FLUID LINE. #7 RAN AIRCRAFT UP AFTER INSTALL OPS CK GOOD. #8 AIRCRAFT MAINTENANCE FLIGHT CHECK GOOD NO DEFECTS NOTED AT THIS TIME.					
	<i>8/2/2021</i>	Inspector <u>ISAAC VILLALOBOS</u>		DATE <u>8-2-2021</u>	
	<i>x Villalobos</i>	For repair station of El Aero Services, Inc.		Form EA-13	

Stew's Aero Services 1999 Arrowhead Dr Carson City, NV 89706 12/10/2021  
 N297CD Model: IO-360-ES S/N: 357535 Hobbs: 1457.3 TSMOH: 22.3

Performed a 100-hour/Annual inspection requirements IAW Continental and Cirrus service manuals Compression #1) 74/80 #2) 78/80 3#) 78/80 4#) 78/80 #5) 78/80 #6) 78/80. Cleaned, inspected, rotated, and reinstalled spark plugs with new gaskets P/N MS17840-1. Checked magneto timing and found satisfactory. Inspected cowling for any defects, no defects found. Removed oil filter, cut, and inspected; no metal or debris found. Installed new Oil filter P/N CH48108-1. Re-installed Tanis engine heater after it was removed for engine overhaul P/N TSP6CYL-2927-115. Cleaned inside of cowling and ran engine; no defects/leaks noted. Adjusted prop governor control cable to prevent over speeding. Adjusted oil pressure at regulator and installed oil cooler baffle for winter operations. Complied with all applicable AD's, see separate AD list. I certify that this engine has been inspected IAW a 100 hour/Annual inspection and has been found airworthy at this time.

*Isaac Villalobos*  
 \_\_\_\_\_ 1861869 A&P/IA

**Service by Owner:** (Com. Pilot Certificate #3003679)  
 Aircraft: N297CDV, S/N: R1232  
 AC Make: Cirrus SR20, Date: Feb 5<sup>th</sup> 2022  
**Hobbs Time: 1475.8** (TSMOH: 40.8)  
 Drained Oil and filled with 8qts Phillips66 15W50.  
 installed new Oil filter Champion CH48109-1  
 Signature: *[Signature]*

**Service by Owner:** (Com. Pilot Certificate #3003679)  
 Aircraft: N297CD, S/N: R1232  
 AC Make: Cirrus SR20, Date: Jun 19<sup>th</sup> 2022  
**Hobbs Time: 1517.1** (TSMOH: 82.1)  
 Drained Oil and filled with 8qts Phillips66 20W50.  
 installed new Oil filter Champion CH48109-1  
 Signature: *[Signature]*

**Service by Owner:** (Com. Pilot Certificate #3003679)  
 Aircraft: N297CD, S/N: R1232  
 AC Make: Cirrus SR20, Date: Aug 12<sup>th</sup> 2022  
**Hobbs Time: 1573.3** (TSMOH: 138.3)  
 Drained Oil and filled with 8qts Phillips66 20W50,  
 installed new Oil filter Champion CH48109-1  
 Signature: *[Signature]*

**SUB-TOTAL** THIS PAGE  
**TOTAL - CARRY FORWARD** TO NEXT PAGE


Registration N297CD  
Make Cirrus  
Model SR20  
Serial # 1232



Date 12/21/2022  
Engine T/T 1601.8  
SMOH 166.8  
Hobbs 1601.8  
Work Order 23269

Performed an Annual Inspection service per SMA checklist  
Performed a compression test, #1 75/80, #2 78/80, #3 77/80, #4 78/80, #5 76/80, #6 78/80  
Serviced with 8 quarts 20W-50 Phillips XC oil  
Replaced oil filter with new P.N. AA48108-2  
Old oil filter inspection good, no contaminants found  
Retorqued all rocker covers  
Cleaned, gapped, and rotated sparkplugs  
All ADs are current and up to date

**I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition at this time and aircraft is returned for service**

Signature:   
Daniel L. Grass A/P I.A.3577254  
Sierra Mountain Aviation, Inc. 530.273.5273

Service by Owner: (Com. Pilot Certificate #3003679)  
Aircraft: N297CD, S/N: R1232  
AC Make: Cirrus SR20, Date: May 20<sup>th</sup> 2023  
Hobbs Time: 1632.9 (TSMOH: 197.9)  
Drained Oil and filled with 7qts Phillips66 20W50,  
installed new Oil filter: Champion CH48109-1

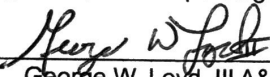
Signature: 

Service by Owner: (Com. Pilot Certificate #3003679)  
Aircraft: N297CD, S/N: R1232  
AC Make: Cirrus SR20, Date: Aug 5<sup>th</sup>, 2023  
Hobbs Time: 1677.7 (TSMOH: 242.7)  
Drained Oil and filled with 7qts Phillips66 20W50,  
installed new Oil filter: Champion CH48109-1

Signature: 

### Kestrel Aviation

Cirrus SR-20, N297CD, Engine: Continental IO-360-ES6B, SN: 357535  
Date: 05/22/2023 / Engine HOBBS: 1694.4  
Installed 6 fuel injector nozzles from General Aviation Modifications, inc,  
PN: 10J E, from kit NO: TIG360-10J. STC NO: SE09963SC, S/N: 32314.  
All work performed IAW: General Aviation Modifications, Inc.  
Installation Procedure, No. IP2001-01, Rev. 001,  
Date: August 19, 2014. Ops Ck good.

Signed:  Date: 09/12/2023  
George W. Loyd, III A&P: 3875652

Registration N297CD  
Make Cirrus  
Model SR20  
Serial # 1232



Date 11/16/2023  
Engine T/T 1700.7  
SMOH 265.7  
Hobbs 1700.7  
Work Order 23413

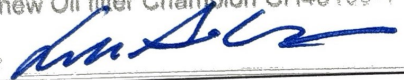

Performed an Annual inspection service per SMA checklist and FAR 43 appendix D  
All repairs and maintenance accomplished in accordance with Cirrus AMM P.N. 12137-001, Rev B9 dated 09/04/2018 or later revision, Cirrus CAPS manual P.N. 12128-001, Rev F dated 07/13/2021, Continental manual M-7, Rev NC, dated 09/03/2016 or later revision, Continental manual M-O, Rev 1 Change 4 dated 06/26/2023 or later revision or appropriate manufactures manuals  
Performed a compression test, #1 70/80, #2 65/80, #3 70/80, #4 71/80, #5 75/80, #6 72/80  
Serviced with 8 quarts 20W-50 Phillips XC oil and installed new oil filter P.N. AA48109  
Old oil filter inspection good, no contaminants found  
Sent in oil sample for analysis

Cleaned, gapped, and rotated sparkplugs  
Retorqued rocker box covers  
AD #2023-17-04 STC F&M or Stratus Oil Filter Adapter Fiber Gasket Oil Loss. N/A STC not installed  
AD #2023-05-16 Improper Installation of Counterweight Retaining Rings. N/A by engine and crankshaft S/N  
**I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition at this time and aircraft is returned for service**

Signature:   
Daniel L. Grass A/P I.A.3577254  
Sierra Mountain Aviation, Inc. 530.273.5273

# AIRCRAFT MAINTENANCE RECORD

Page No. \_\_\_\_\_

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
<b>CARRIED FORWARD</b> →		<p>Service by Owner: (Com. Pilot Certificate #3003679)                      Aircraft: N297CD, S/N: R1232                      AC Make: Cirrus SR20, Date: Mar 24<sup>th</sup>, 2024                      Hobbs Time: 1729.4 (TSMOH: 294.4)                      Drained Oil and filled with 7ats Phillos66 20W50.                      installed new Oil filter Champion CH48109-1</p> <p>Signature: </p>
		<p>Service by Owner: (Com. Pilot Certificate #3003679)                      Aircraft: N297CD, S/N: R1232                      AC Make: Cirrus SR20, Date: Jun 8<sup>th</sup>, 2024                      Hobbs Time: 1779.2 (TSMOH: 344.2)                      Drained Oil and filled with 7ats Phillos66 20W50.                      installed new Oil filter Champion CH48109-1</p> <p>Signature: </p>

wo: 2024-0186

Engine · page 1 of 1



Stew's Aero Services · 4331 Goni Rd · Carson City, NV 89706 · (775) 954-0083

**N297CD**  
HOBBS: 1782.2

**June 25, 2024**

Removed, cleaned, inspected, and re-installed all fuel injectors IAW Gami fuel injector installation instructions. Performed a ground run-up and leak check; no defects noted.

I certify that this aircraft is airworthy at this date & time solely in regards to the work performed above. Details of work performed are on file with Stew's Aero Services under work order: 2024-0186.

Matt Graham 3028802 A&P IA

