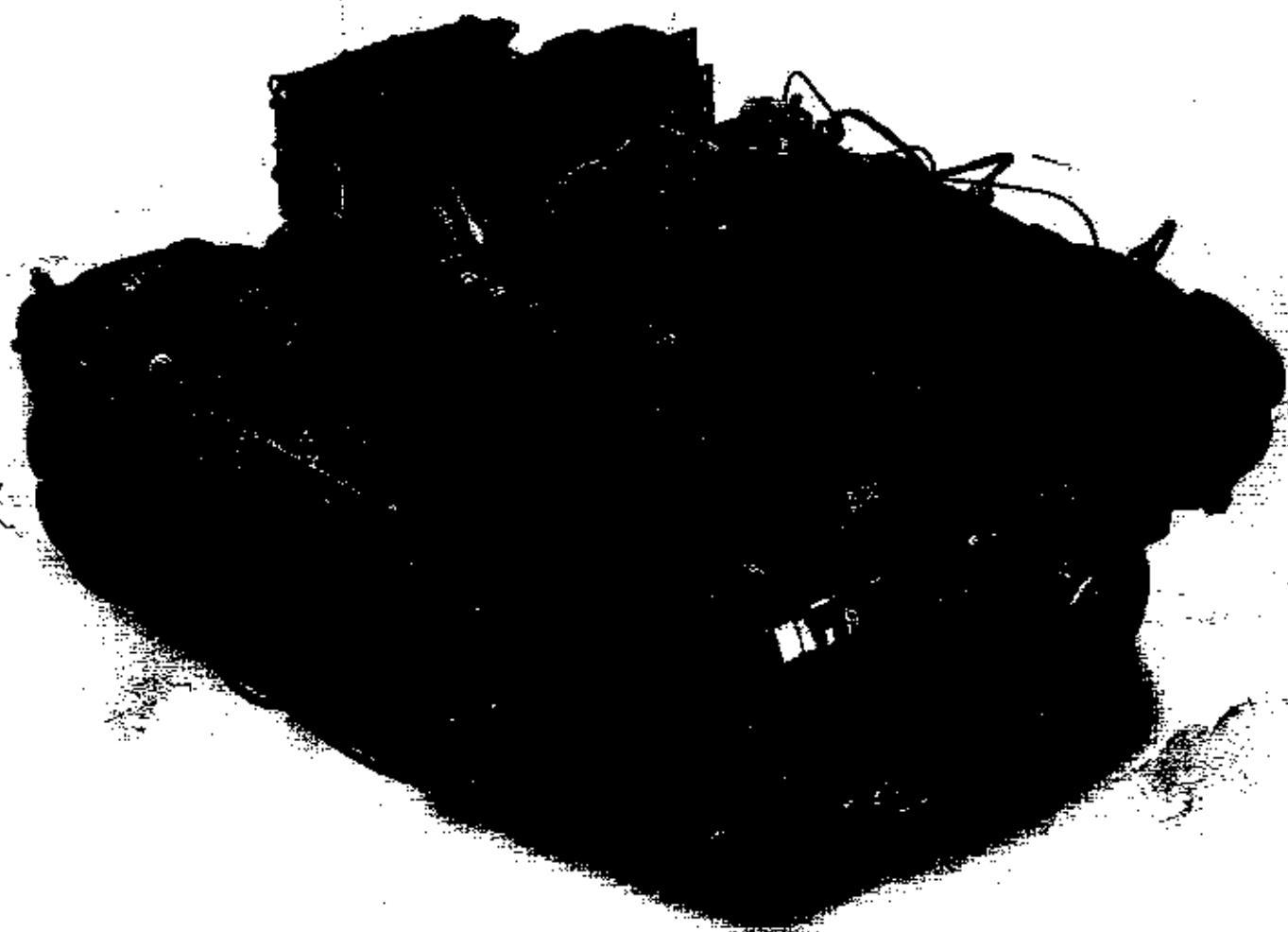


# ENGINE LOG BOOK



**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: 09/03/2004

This engine model 10360ES6, Serial No. 357896 was manufactured on 09/03/2004 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. 588

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  
ENGINE S/N:  
REG. NO: 601CD  
WORK ORDER  
2270-10-2004



### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Tulsa, OK 74111  
Phone: 216-758-9101

DATE: 10/17/2004  
MC: 158  
ENG: TT  
HOBBS: 18.9

### Engine Entries

(1) Removed and replaced Starter Motor PN 656121 SN 0104204024, SN 0104238051, IAW CDC SR20 MMRB010.

I have reviewed the life on this aircraft and the accompanying discrepancy forms. The 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. Permanent details of repair are on file at this Certified Repair Station. CRS YD5R855Y

DATE: 10/17/2004

SIGNED:

Steve Shokand  
Certified Repair Station No. YD5R855Y

Work Order: 2270-10-2004

Printed by Ellis 3 (data@cedia.com)

10/11/04 31.5 Hobbs time Oil & Filter changed 8 qts Aeroshell  
SPND added, opened & inspected Oil Filter, Engine  
run-in and checked for leaks. Done with A/P 2706140

### ENGINE

REG. N601CD MODEL SR20 S/N 1465 TACH 81.3

- \* PERFORMED "50HR" OIL CHANGE CUT AND INSPECTED FILTER SERVICED WITH 8QTS 20W/50 PHILLIPS X/C OIL PERFORMED GROUND RUN AND LEAK CHECK GOOD.
- \* REPLACED PROPELLER GOVERNOR PERFORMED GROUND RUN AND MAX RPM ADJUSTMENT.

S/N OFF: 040675 S/N ON: 04132 P/N: D-20309-22.

I CERTIFY THE AIRCRAFT, COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

DATE 11/17/2004 SIGNATURE

AP5706940631A Douglas B. White

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#6016

### ENGINE

REG. N N601CD MODEL SR-20 S/N 1465 HOBBS 99.8  
ENG M/N IO-360-ES6 ENG S/N 357896 ENG T.T. 99.8 A/C T.T. 99.8

- \* PERFORMED CIRCUIT 100 HR. INSPECTION.
- \* COMPRESSION: #1 74 #2 71 #3 72 #4 72 #5 74 #6 72.
- \* CLEANED FUEL INJECTORS.
- \* CLEANED, GAPPED, TESTED, AND ROTATED SPARK PLUGS, REINSTALLED WITH NEW GASKETS.
- \* RAN AND LEAK CHECK GOOD.
- \* I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W A 100 HR. INSPECTION AND HAS FOUND TO BE IN AN AIRWORTHY CONDITION.

DATE 12/01/2004 SIGNATURE

Alice R. Klobe AP4919248381A

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#6026

### ENGINE

REG. N N601CD MODEL SR-20 S/N 1465 HOBBS 124.1  
ENG M/N IO-360-ES6 ENG S/N 357896 ENG T.T. 124.1 A/C T.T. 124.1

- \* REPLACED #6 EGT PROBE PERFORMED ENGINE RUN FUNCTIONAL CHECK NORMAL.
- \* I CERTIFY THIS ENGINE/APPLIANCE HAS REPAIRED IN ACCORDANCE WITH CURRENT F.A.A. REGULATIONS AND HAS FOUND TO BE IN AN AIRWORTHY CONDITION.

DATE 12/13/2004 SIGNATURE

Douglas B. White AP5706940631A

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#6026

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

Brought Forward

### ENGINE

REG. N601CD MODEL SR20 S/N 1465 TACH 105.7

\* PERFORMED "50HR" OIL CHANGE CUT AND INSPECTED FILTER SERVICED WITH 8QTS 20W/50 PHILLIPS X/C OIL PERFORMED GROUND RUN AND LEAK CHECK GOOD.

I CERTIFY THE AIRCRAFT, COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

DATE 01/03/2006 SIGNATURE  AP5537337901A John A. Ruby  
AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#1013

### ENGINE

REG. N N601CD MODEL SR-20 S/N 1465 HOBBS 199.2  
ENG M/N IO-360-ES6 ENG S/N 357896 ENG T.T. 199.2 A/C T.T. 199.2

- \* PERFORMED CIRUUS 100 HR. INSPECTION.
- \* COMPRESSION: #1 76 #2 77 #3 78 #4 76 #5 77 #6 76.
- \* CHANGED OIL WITH 8QTS. PHILLIPS 20W50 OIL AND INSTALLED NEW CH48108 OIL FILTER.
- \* CLEANED, GAPPED, TESTED, AND ROTATED SPARK PLUGS, REINSTALLED WITH NEW GASKETS.
- \* INSTALLED NEW SPARK PLUG IN #3 CYLINDER.
- \* INSTALLED NEW INDUCTION AIR FILTER ELEMENT.
- \* RAN AND LEAK CHECK GOOD.
- \* I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W A 100 HR. INSPECTION AND HAS FOUND TO BE IN AN AIRWORTHY CONDITION.

DATE 01/19/2005 SIGNATURE  Alice R. Klobe AP4919248381A  
AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.# 1017

### ENGINE

REG. N601CD MODEL SR20 S/N 1465 TACH 249.7

- \* PERFORMED 50 HR. INSPECTION.
- \* CHANGED OIL WITH 8QTS. PHILLIPS 20W50 X/C AND INSTALLED NEW CH48108 OIL FILTER.
- \* OIL SAMPLE TAKEN.
- \* RUN UP AND LEAK CHECK GOOD.

DATE 02/11/2005 SIGNATURE  AP4919248381A Alice R. Klobe  
AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#1036

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**ENGINE**

REG. N N601CD MODEL SR-20 S/N 1465 HOBBS 298.1  
 ENG M/N IO-360-ES6 ENG S/N 357896 ENG T.T. 298.1 A/C T.T. 298.1

- \* PERFORMED CIRULS 100 HR. INSPECTION.
- \* COMPRESSION: #1 77 #2 77 #3 77 #4 77 #5 78 #6 78.
- \* CHANGED OIL WITH 8QTS. PHILLIPS 20W50 OIL AND INSTALLED NEW CH48108 OIL FILTER.
- \* OIL SAMPLE TAKEN.
- \* CLEANED, GAPPED, TESTED, AND ROTATED SPARK PLUGS, REINSTALLED WITH NEW GASKETS.
- \* REMOVED #2 ALTERNATOR P/N: BC410-1, S/N: 0942986.
- \* INSTALLED REPAIRED #2 ALTERNATOR P/N: BC410-1, S/N: 0742907. ALTERNATOR #2 SYSTEM STILL INOP. SYSTEM PLACARDED INOP., FLIGHTS ALLOWED IN DAY VFR ONLY.
- \* RAN AND LEAK CHECK GOOD.
- \* I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W A 100 HR. INSPECTION AND HAS FOUND TO BE IN AN AIRWORTHY CONDITION.

DATE 02/26/2005 SIGNATURE 

Alice R. Klobe AP491924838IA

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.# 1043

**ENGINE**

REG. N601CD MODEL SR20 S/N 1465 TACH 311.3

- \* INSTALLED NEW #2 ALTERNATOR FIELD CONTROL MODULE, P/N: 14605-010.
- \* RUN UP AND SYSTEM FUNCTION CHECK GOOD.

DATE 03/01/2005 SIGNATURE 

AP491924838IA Alice R. Klobe

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#19718

**ENGINE**

REG. N601CD MODEL SR20 S/N 1465 TACH 326.3

- \* REMOVED CONTINENTAL STARTER P/N 656181 S/N 042380051.
- \* INSTALLED NEW CONTINENTAL STARTER P/N 656181 S/N 042950041
- OPS CHECK GOOD.

DATE 3/5/2005 SIGNATURE 

ALICE R. KLOBE AP491924838IA

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.#19719

**ENGINE**

REG. N N601CD MODEL SR 20 S/N 1465 HOBBS 355.7  
 ENG M/N IO-360-ES6 ENG S/N 357896 ENG T.T. 355.7 A/C T.T. 355.7

- \* PERFORMED 50 HR. INSPECTION.
- \* CHANGED OIL WITH 8QTS. PHILLIPS 20W50 OIL AND INSTALLED NEW CH48108 OIL FILTER.
- \* RAN AND LEAK CHECK GOOD.

DATE 03/10/2005 SIGNATURE 

Alice R. Klobe AP491924838IA

AIR SAFETY MAINTENANCE, 6575 N. GLEN HARBOR BLVD. #4, GLENDALE, AZ 85307 W.O.# 1051



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
4-23-05	444	8	N/A		Reinstalled repaired engine, s/n 357896, in N601CD. Reinstalled baffles, accessories, propeller, etc. Rigged engine controls and prop controls. Leak check good. Adjusted idle RPM, static RPM and max fuel flow. All ops checked good. A/C approved for operational check flight. Sided with 8 qt <del>Phillips</del> 20W-50 oil. <del>off log</del> <del>AP526797505</del> See act log for ck flight sign off.

**CIRRUS SR-20 N601CD S/N 1465 TTAF & ENGINE 489.1 HOBBS/TACH.  
READS 489.1 TSMOH. N/A ENGINE IO-360-ES6 S/N 357896 05/06/05**

PERFORMED 100 HR. INSPECTION PER. CIRRUS SR-20 M/M 5-00 REF. CHECKLIST SECTION 5-20. CLEANED ENG. AND ENGINE COMPARTMENT, DRAINED OIL AND INSPECTED OIL FILTER AND OIL SCREEN, REPLACED OIL FILTER CH48108-1 AND SERVICED ENGINE WITH 8 QTS. OF 20-50W OIL, PERFORMED COMPRESSION CHECK #1 79/80 #2 78/80 #3 78/80 #4 76/80 #5 78/80 #6 79/80  
CLEANED, INSPECTED AND ROTATED SPARK PLUGS. REPLACED INDUCTION SYSTEM FILTER.

AD'S CHECKED THROUGH 2005-09 ALL AD'S C/W OR N/A.

I HAVE INSPECTED THIS ENGINE IAW. A 100 HR. INSPECTION AND FIND IT TO BE IN AIR WORTHY CONDITION.

DOUGLAS E. BURKE A&P 2012206 IA

*Douglas E. Burke*

**CIRRUS SR-20 N601DC S/N 1465 TTAF AND ENG. 539.5/ IO-360-ES6 S/N 357896**

PERFORMED 50HR. INSPECTION PER. CIRRUS AIRCRAFT CHECKLIST. SERVICED WITH 8 QTS. OF 20W50 AND REPLACED OIL FILTER CH48108-1 ENG. TEST RAN NO DEFECTS NOTED.

05/20/05 DOUGLAS E. BURKE A&P 2012206

*Douglas E. Burke*

DATE 06/07/05 CIRRUS SR-20 N601CD S/N 1465 TTAF & ENG. 589.6  
ENGINE IO-360-ES6 S/N 357896

PERFORMED 100 HR. INSPECTION PER. CIRRUS M/M SECTION 5-20  
CLEANED ENG. & COMPARTMENT.  
DRAINED ENG. OIL AND REPLACED OIL FILTER CH48108-1 INSPECTED FILTER AND INLET SCREEN.  
SERVICED ENG. W/ 8QTS. PHILLIPS 20W50 XC  
REPLACED 2 EA. MAIN TIRES 15X6.0-6  
REPLACED ALL BRAKE PADS  
REPACKED ALL WHEEL BEARINGS  
REPLACED #4 CHT PROBE  
PERFORMED COMPRESSION TEST #1 78/80 #2 77/80 #3 79/80 #4 77/80 #5 79/80 #6 79/80  
REPLACED INDUCTION SYSTEM FILTER BA-24  
PERFORMED OP'S CHECK ON ELT. BATTERY DUE @ 03/11  
CLEANED, INSPECTED AND ROTATED SPARKPLUGS  
INSPECTED, LUBED ALL FLIGHT CONTROLS, CABLES, PULLEYS AND CONTROL RODS.  
COMPLETED GROUND RUN ALL SYSTEMS NORMAL  
ALL AD'S CHECKED THRU 2005-11 ALL ARE C/W OR N/A

I HAVE INSPECTED THIS AIRCRAFT/ENG. IAW A 100 HR. INSPECTION AND FIND IT TO BE IN AIRWORTHY CONDITION

DOUGLAS E. BURKE A&P 2012206 IA

*Douglas E. Burke*

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	→				
					<p>DATE 06/18/05 CIRRUS SR-20 N601CD S/N 1465 TTAF &amp; ENG. 638.8 ENGINE IO-360-ES6 S/N 357896 CLEANED ENG. &amp; COMPARTMENT. PERFORMED 50 HR. INSPECTION PER. CIRRUS M/M SECTION 5-20 DRAINED ENG. OIL AND REPLACED OIL FILTER CH48108-1 INSPECTED FILTER AND INLET SCREEN. SERVICED ENG. W/ 8QTS. PHILLIPS 20W50 XC C/W WITH SB 2X-25-07R3 REMOVE SINGLE SEAT BELT INERTIA REEL AND INSTALLED DUAL REEL ASSEMBLY. C/W SB 2X-53-02 INSTALLED ADAPTOR CLIPS TO EXISTING CARGO TIE DOWN STRAPS. DOUGLAS E. BURKE A&amp;P 2012206 1A <i>Doug E Burke</i></p>
					<p>CIRRUS SR-20 N601CD S/N 1465 TTAF &amp; ENGINE 638.4 HOBBS/TACH. PERFORMED 100 HR. INSPECTION PER. CIRRUS SR-20 M/M 5-00 REF. CHECKLIST SECTION 5-20. CLEANED ENG. AND ENGINE COMPARTMENT, DRAINED OIL AND INSPECTED OIL FILTER AND OIL SCREEN, REPLACED OIL FILTER CH48108-1 INSTALLED ENG. OIL. QUICK DRAIN PIN S62508 SERVICED ENGINE WITH 8 QTS. OF 20W-50 OIL PERFORMED COMPRESSION CHECK #1 79/80 #2 78/80 #3 78/80 #4 76/80 #5 78/80 #6 79/80 CLEANED, INSPECTED AND ROTATED SPARK PLUGS. REPLACED INDUCTION SYSTEM FILTER BA-24. AD'S CHECKED THROUGH 2005-14 ALL AD'S C/W OR N/A I HAVE INSPECTED THIS ENGINE IAW A 100 HR. AND FIND IT TO BE IN AIR WORTHY CONDITION. DOUGLAS E. BURKE A&amp;P 2012206 1A <i>Doug E Burke 07/09/05</i></p>
					<p>N601CD CIRRUS SR-20 S/N 1465 ENG. IO-360-ES6 S/N 357896 PERFORMED 50 HR. INSPECTION IAW CIRRUS SR-20 CHECKLIST M/M SECTION 5-0/5-20 DRAINED OIL. CHANGED OIL FILTER CH-48108-1 SERVICED ENGINE WITH 8QTS. PHILLIPS 20W50 INSPECTED OIL FILTER NO METAL NOTED REPLACED ALL BRAKE PADS RAN ENGINE NO LEAKS NOTED. DOUGLAS E. BURKE A&amp;P 2012206 07/26/05 <i>Doug E Burke 07/26/05</i></p>
08/16/05	780.	1			<p>N601CD SR-20 S/N 1465 ENG. IO-360-ES6 S/N 357896 PERFORMED 100 HR. Insp. Per. SR-20 M/M SECTION 5-0/5-20 DRAINED ENG. OIL REMOVED AND INSPECTED OIL FILTER AND ENG. OIL SCREEN NO METAL NOTED REPLACED OIL FILTER CH48108-1 + New Filter SERVICED ENG. W/ 8QTS PHILLIPS 20W50 OIL, PERFORMED COMP. TEST #1 77/80 #2 78/80 #3 76/80 #4 77/80 #5 58/80 #6 77/80 CHECKED MAGNETO TIMING, CLEANED &amp; RE-ROD ROTATE SPARK PLUGS. I HAVE INSPECTED THIS ENG. IAW A 100 HR. AND FIND IT IN AIRWORTHY CONDITION <i>Doug E Burke A&amp;P 2012206 08/16/05</i></p>



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	←→				
09/10/05	829	3	N/A		Performed 50 Hr. Insp. Per SR-20 M/M Section 5-20 Drained Eng. oil removed oil filter and insp. no metal noted Replaced oil filter CH48-108-1 Serviced Eng. w/8 qts. Phillips 20W50 Eng. was Test ran no leaks noted Douglas 5 Bush ATP 2012206
10/01/05	878.5		N/A		Removed 1/4 mag. to S/N 04071458 for use on aircraft w/1425F) Douglas 5 Bush ATP 2012206
10/03/05	878.5		N/A		Performed 100 Hr. Insp. Per Cirrus 32-20 M/M Section 5-20 Drained Eng. oil and removed filter Eng. filter and oil screen no metal noted Performed compression test. #1 17/80 #2 17/80 #3 17/80 #4 17/80 #5 17/80 #6 17/80 Reinstalled 1/4 mag. to S/N 04071458 cleaned and greased and rotated all spark plugs, serviced Eng. w/8 qts PH. 11/2 20W50 installed new oil filter CH48108-1 and induction system filter BA-24 Eng. was test ran no defects noted. I have inspected this Eng. JAW at 100 Hr. Insp. and find it to be in satisfactory condition Douglas 5 Bush ATP 2012206JA
10-11-05	905.1				Drained oil, replaced oil filter, p/n CH48108-1 and serv'd with 7qt. Phillips 20W50 oil. Ops and l/c check good. WJZ AP526797588

Date: 11-4-06  
N881GD

ACTT: 953.3  
Hobbs: 953.3

Eng TSN: 953.3  
Eng TSO: N/A

Completed Annual inspection in accordance with Cirrus SR-20 Annual inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt Phillips 20W50 oil. Differential compression check: 1-72/80, 2-76/80, 3-74/80, 4-76/80, 5-76/80, 6-76/80. R&R'd and cleaned all fuel injector nozzles. Replaced induction air filter, p/n BA-24. Reset magneto-to-engine timing. Replaced all spark plugs with new, p/n RHM-38E. R&R'd engine-driven fuel pump for troubleshooting purposes on another engine. R&R'd baffles and #1 alternator as necessary for access. Set up fuel system in accordance with TCM SID97-3C. Adjusted idle RPM and mixture. All ops and leak checks good.

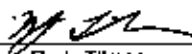

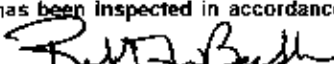

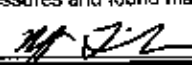
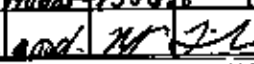


ADs current through 2006-22.

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

*[Signature]*  
Rudy Toman

AP526797588IA

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: 11-14-05		N601CD		Tach: 1063.3	
<p>Completed 50-hr inspection IAW Cirrus SR20 maintenance manual and checklist. Drained engine oil and serviced engine with 8 quarts Phillips 20W-50 oil and CH48108-1 oil filter. No metal found in oil filter. Found alternator #1 bracket cracked. Removed bracket and installed serviceable bracket. Ops checks good.</p> <p><i>David Schaefer</i> AP501704603 David Schaefer</p>					
Date: 11-16-05		N601CD		Engine Log Hobbs:	
<p>Removed #1 alternator bracket and installed new bracket. Torqued IAW TCM IO-360 O/H manual.</p> <p><i>Rudy Tilman</i> AP526797588 Rudy Tilman</p>					
Date: 12-3-05		N601CD		Hobbs: 1063.3 ACIT: 1063.3 Eng TT: 1063.3 Eng TSO: N/A	
<p>Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S 15W50 oil and one can of AvBlend oil additive. Differential compression check: 1-73/80, 2-75/80, 3-74/80, 4-68/80, 5-77/80, 6-77/80. Serviced and rotated spark plugs. R&amp;R'd both magnetos, complied with 500-hr magneto inspection and retimed to engine. Replaced distributor block and gear assembly in 1st magneto. Replaced fuel flow divider bracket, p/n 646507, and seven rocker cover gaskets with new. Adjusted idle mixture. All ops and leak checks good.</p> <p>ADs current through 2005-23.</p> <p>I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.</p> <p><i>Rudy Tilman</i> AP526797588 Rudy Tilman</p>					
Date: 12/08/05		N601CD		Tach: 1062.7	
<p>Replaced starter with new unit, p/n 656183, s/n 04 316 0102. Installed new oil dipstick extension tube p/n 642627. All ops checks good.</p> <p><i>David Schaefer</i> AP501704603 David Schaefer</p>					
Date: 12-22-05		N601CD		Tach: 1101.4	
<p>Complied with 50 hour inspection in accordance with Cirrus SR20 Maintenance manual. Changed oil and filter. No metal found in filter. Installed new filter CH48108-1 and serviced with 8 quarts Aeroshell 15W-50 oil. Leak checked good on engine run-up.</p> <p><i>Robert T. Beckham</i> AP527333935 Robert T. Beckham</p>					
Date: 1-14-06		N601CD		Hobbs: 1146.0 ACIT: 1146.0 Eng TT: 1146.0 Eng TSO: N/A	
<p>Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S 15W50 oil and one can of AvBlend oil additive. Differential compression check: 1-71/80, 2-73/80, 3-74/80, 4-69/80, 5-74/80, 6-74/80. Serviced and rotated spark plugs. Replaced 5 rocker cover gaskets with new. Adjusted idle RPM and idle mixture. All ops and leak checks good.</p> <p>ADs current through 2006-02.</p> <p>I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.</p> <p><i>Rudy Tilman</i> AP526797588 Rudy Tilman</p>					
Date: 2-1-06		N601CD		Engine Log Tach: 1191.4	
<p>Drained oil, replaced oil filter, p/n CH48108-1, and svc'd with 8 qt A/S 15W50 oil and one can of AvBlend oil additive. Ops and leak checks good.</p> <p><i>Rudy Tilman</i> AP526797588 Rudy Tilman</p>					

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.	
<b>Engine Log</b> Hobbs: 1238.6 Eng TT: 1238.6 ACTT: 1238.6 Eng TSO: N/A					
100-hr Inspection in accordance with Cirrus SR20 100-hr Inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and 1 can of AvBlend oil additive. Differential compression check: 1-67/80, 2-76/80, 3-74/80, 4-69/80, 5-75/80, 6-77/80. Cleaned fuel injector nozzles. Serviced and rotated spark plugs. Adjusted idle RPM. All ops and checks good.					
ADs current through 2006-04.					
I certify that this engine has been inspected in accordance with a 100-hr Inspection and was determined to be in airworthy condition.					
 AP526797588 Rudy Tilman					
Date: 3-23-06	N601CD		Engine Log		Tach: 1288.3
Drained oil, replaced oil filter, p/n CH48108-1, and svc'd with 8 qt A/S W100 oil and one can of AvBlend oil additive. Ops and leak checks good.					
 AP003116097 Shawn Rockey					
4-17-06	N601CD		Engine Log		Eng TT: 1337.4 Eng TSO: N/A
Completed 100-hr Inspection in accordance with Cirrus SR20 100-hr Inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and 1 can of AvBlend oil additive. Differential compression check: 1-75/80, 2-75/80, 3-74/80, 4-70/80, 5-75/80, 6-74/80. Serviced and rotated spark plugs. Adjusted mixture. All ops and leak checks good.					
ADs current through 2006-07.					
I certify that this engine has been inspected in accordance with a 100-hr Inspection and was determined to be in airworthy condition.					
 AP527333935 Robert T. Beckham					
4-18-06	N601CD		Engine Log		Hobbs: 1340.1
Ran engine and found low EGT on #3 and #6 cylinders. Removed plugs on #3 and #6 cylinders and found plugs fouled. Installed new spark plugs on both cylinders. Spark plug p/n RHM 38E. All ops checks good.					
 AP003116097 Shawn Rockey					
4-27-06	N601CD		Engine Log		Hobbs: 1353.1
After pilot complaint of in-flight vibrations, checked all engine operations. All found good. Checked spark plugs for fouling and found okay. Checked engine-driven fuel pump pressures and found max RPM pressure at 20.9 psi; adjusted to 22.2 psi and verified correct fuel flow. All ops checks good.					
Rudy Tilman  AP526797588					
4-27-06	Hobbs: 1353.8	Conducted operation check flight to check for vibrations. All ops checks good.  AP526797588			
Date: 5-12-06	N601CD		Engine Log		Hobbs: 1386.2
Drained oil, replaced oil filter, p/n CH48108-1, and svc'd with 8 qt A/S W100 oil and one can of AvBlend oil additive. Ops and leak checks good. Installed clamp p/n WDG21919-9 on L/H lower ignition harness. Note: Re-inspect oil filter after 5hrs flight at Hobbs=1391.2 for further eval and possible oil sample.					
 AP003116097 Shawn Rockey					
5-13-06	N601CD		Engine Log		Hobbs: 1388.7
Took oil sample and replaced oil filter with new, p/n CH48108-1. Cut open filter and found no trace of wear metals. Added 1 qt. A/S W100 oil. Ops and leak checks good.					
Rudy Tilman  AP526797588					

Date

Total Time

Time Since  
Last Overhaul**Engine Service and Maintenance Record**

Installations, Inspections, Airworthiness Directives, Special Inspections,

6-10-06

N601CD

Engine Log

Hobbs: 1438.5

ACTT: 1438.5

Eng TT: 1438.5

Eng TSO: N/A

Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and one can of AvBlend oil additive. Differential compression check: 1-71/80, 2-73/80, 3-66/80, 4-70/80, 5-75/80, 6-74/80. Serviced and rotated spark plugs. Removed all rocker covers, straightened and reinstalled. Replaced LH magneto harness. Repositioned breather hose clamp and resecured on #6 induction tube. R&R'd induction airbox, disassembled, cleaned, inspected and reassembled alternate air valve and rigged system. Tightened oil cooler stabilizer foot. Cleaned #3 and 6 fuel injector nozzles. Adjusted RH magneto-to-engine timing. Adjusted idle RPM and idle mixture. All ops and leak checks good.

ADs current through 2006-11.

I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.

Rudy Tilman

AP526797588

06-30-06

N601CD

Engine Log

Tach: 1487.8

Drained oil, replaced oil filter, p/n CH48108-1, and svc'd with 8 qt A/S W100 oil and one can of AvBlend oil additive. Ops and leak checks good.

Robert L. Beckham

AP527333935

Date: 8-08-06

N601CD

Engine Log

Tach: 1631.8

Replaced oil filter, p/n CH48108-1 at customer's request and inspected old oil filter for metal. Found filter to be okay. Complied with ground run and leak check and found okay

David Schaefer

AP501704803

8-16-06

N601CD

Engine Log

Hobbs: 1635.9

ACTT: 1635.9

Eng TT: 1635.9

Eng TSO: N/A

Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and 1 can of AvBlend oil additive. Differential compression check: 1-70/80, 2-73/80, 3-70/80, 4-73/80, 5-74/80, 6-75/80. Serviced and rotated spark plugs. Cleaned fuel injector nozzles. Replaced 8 spark plugs PN RHM 38E. C/W magneto 500-hour internal inspection IAW Unison Service Manual. Replaced points and carbon brush on LH mag. Replaced RH mag with new unit PN 6314 SN UNK off PN 6314 SN 02100555 on. Removed, cleaned, and installed #2 CHT probe. All ops and leak checks good.

ADs current through 2006-16.

I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.

AP003116097 Shawn Rockey

8-19-06

N601CD

ENGINE

Hobbs: 1680.5

Complied with 50-hour inspection in accordance with Cirrus SR20 Maintenance Manual. Changed oil and filter. No metal found in filter. Installed new filter CH48108-1 and serviced with 8 quarts AS W100 oil and 1 can of Avblend additive. Leak and ops checks good.

AP003116097 Shawn Rockey

10-4-06

N601CD

Engine Log

Hobbs: 1635.9

ACTT: 1635.9

Eng TT: 1635.9

Eng TSO: N/A

Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and 1 can of AvBlend oil additive. Differential compression check: 1-70/80, 2-74/80, 3-66/80, 4-64/80, 5-76/80, 6-72/80. Serviced and rotated spark plugs. Replaced #1 alternator with new alt. PN 654200A1 SN G040056. Replaced alt. #1 mounting bracket with new bracket PN 657046 and new thru bolt PN 652420-9 at upr alt position of bracket. Replaced RH magneto harness PN M2597 with new harness. Removed, cleaned, inspected, and installed #5/6 EGT probes, and #1/3 CHT probes. All ops and leak checks good.

ADs current through 2006-19.

I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.

AP003116097 Shawn Rockey

10-26-06

N601CD

Engine Log

Tach: 1684.7

Drained oil, replaced oil filter, p/n CH48108-1, and svc'd with 8 qt A/S 15W50 oil and one can of AvBlend oil additive. Ops and leak checks good.

David Schaefer

AP501704803

Date		Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record	
		Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins	
Brought Forward							
11-15-06		N601CD		Engine Log		Hobbs: 1721.0	
<p>Bottom of aircraft covered in oil. Noted most of oil on LH side of engine. Checked compressions on #2,4,6 cylinders. All compressions good. Cleaned engine and ran. Found oil leaking from oil filter. Removed filter and inspected filter and adapter. No defects found. Installed oil filter and ran engine. Leak check good.</p> <p><i>Shawn</i> AP003116097 Shawn Rocky</p>							
12-08-06		N601CD		ACTT: 1733.1 Hobbs: 1733.1		Eng TSN: 1733.1 Eng TSO: N/A	
<p>Completed Annual inspection in accordance with Cirrus SR-20 Annual Inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S 15W50. Differential compression check: 1-68/80, 2-72/80, 3-70/80, 4-70/80, 5-71/80, 6-70/80. Replaced induction air filter, p/n BA-24 and cap p/n 111-7. Engine rough on ground run, replaced upper #3 spark plug p/n RHM-38E. Cleaned connections on #3 and #6 EGT. Set up fuel system in accordance with TCM SID97-3C. Adjusted idle RPM and mixture. All ops and leak checks good.</p> <p>ADs current through 2006-24.</p> <p>I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.</p> <p><i>David Schaefer</i> AP501704603IA David Schaefer</p>							
2-7-07		N601CD		Engine Log		Tach: 1782.9	
<p>Drained oil, replaced oil filter, p/n CH48108-1, and svc'd with 8 qt. A/S 15W50 oil and 1 can of AvBlend oil additive. Ops and leak checks good.</p> <p><i>Rudy Tilman</i> AP526797588</p>							
4-18-07		N601CD		Engine Log Hobbs: 1834.6 ACTT: 1834.6		Eng TT: 1834.6 Eng TSO: N/A	
<p>Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and 1 can of AvBlend oil additive. Differential compression check: 1-68/80, 2-74/80, 3-68/80, 4-73/80, 5-73/80, 6-74/80. Serviced and rotated spark plugs. Cleaned fuel injection nozzles. Re-timed LH and RH magnetos to engine. Adjusted LH exhaust FWD ball joint tension. Replaced all intake manifold gaskets. All ops and leak checks good.</p> <p>ADs current through 2007-07.</p> <p>I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.</p> <p><i>Shawn</i> AP3116097 Shawn Rocky</p>							
4-23-07		N601CD		Engine Log		Hobbs: 1838.3	
<p>Replaced #1 lower spark plug with new RHM 38E. Ops check good.</p> <p><i>Shawn</i> AP3116097 Shawn Rocky</p>							
5-7-07		N601CD		Engine Log		Hobbs: 1881.0	
<p>Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 quarts A/S W100 oil. Inspected oil filter. No metal found. Leak and ops check good.</p> <p><i>Jerry Lea</i> AP3063541 Jerry Lea</p>							
6-1-07		N601CD		Engine Log Hobbs: 1931.7 ACTT: 1931.7		Eng TT: 1931.7 Eng TSO: N/A	
<p>Completed 100-hr inspection in accordance with Cirrus SR20 100-hr inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 qt A/S W100 oil and one can of AvBlend oil additive. Inspected oil filter. No metal found. Differential compression check: 1-64/80, 2-76/80, 3-67/80, 4-68/80, 5-76/80, 6-75/80. Serviced and rotated spark plugs. All ops and leak checks good.</p> <p>ADs current through 2007-10.</p> <p>I certify that this engine has been inspected in accordance with a 100-hr inspection and was determined to be in airworthy condition.</p> <p>Doan Hai <i>Doan Hai</i> AP2843964</p>							

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 →					

6-18-07	N601CD	Engine Log	Hobbs: 1953.7
Removed cleaned and tested all spark plugs. Replaced 6 ea plugs with new PN RHM 38E. Ops check good.			
Jerry Lea		AP3063541	

8-28-07	N601CD	Engine Log	Hobbs: 1988.8
Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8 quarts A/S W100 oil. Inspected oil filter. No metal found. Leak and ops check good.			
Robert Cowgill		AP3205469	

081007

MODEL: IO-360-ES  
S/N: 357896  
FTE: UNKNOWN  
TSNO: 0.0

Page 1 of 2

AIRCRAFT ENGINE SPECIALISTS, LLC  
2330 SOUTH AIRPORT BOULEVARD, SUITE #6  
CHANDLER, ARIZONA 85226  
PH: 516-0390 CRS # ZF7R728Y

Engine was disassembled, cleaned, inspected, not tested, overhauled, assembled and test run in accordance with TCM overhaul manual J030594A. B&S overhauled the following items: throttle body w/ R07-05333, fuel pump w/ R07-05334, fuel flow divider w/ R07-05335, fuel nozzles and lines w/ R07-05336. CR overhauled the following items: connecting rods reconditioned by Aircraft Specialists Services w/ 162020, not tested by Aquila NDT w/ 8160703, 8270701 and 9140902. New TCM cylinder kits installed p/n 655479A11, s/n's #1-AC07EB634, #2-882, #3-868, #4-AC07FA129, #5-147, #6-172. Crankshaft p/n 652014, s/n N04HA086. New items installed: RT mag p/n 6314, s/n 07051757, LT mag p/n 6314, s/n 07010161, starter p/n E5848238-2, s/n G084906. Overhauled items installed: fuel pump p/n 548268-46A4, s/n B04GA323, fuel flow divider p/n 646506-10A6, s/n C04GA357, and fuel control valve p/n 652644-1A4, s/n A04GA295. AD's checked for compliance, see AD sheet. Engine test run after assemble and was found to be in airworthy condition for return to service. Further details of this overhaul may be found at this facility under work order E4078.

James Volkel

James Volkel

Parts installed on WO#

QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
1	2024	PLUG	1	CH48108-1	FILTER	4	AN503D116-20	SCREW
1	502287.3	RING	1	ES848238-2 MVP	STARTER	5	552420-10.48	BOLT
1	530817	SEAL	1	MS21919WVG8	CLAMP	6	20202	WASHER
1	827458	SPRING	1	MS35756-8	KEY	6	24764	SCREW
1	829518-1H	PLUG	1	SA6323V-2	GASLET	6	629690	PIN, PISTON
1	830880	BEARING	1	SA646513-A1	GASKET SET	8	655479A9	CYLINDER KIT
1	631687	PLUNGER	1	X13041	BEARING	8	MS21919WF27	CLAMP
1	631929	HOSE	1	X1473	WASHER	8	MS21919WF5	CLAMP
1	632067	HOUSING	2	2025	PLUG	8	829004	RING
1	632067 U/S	HOUSING	2	531178	RETAINER	8	653113	PLATE
1	632477 U/S	GEAR U/S	2	630523	WASHER	9	842917-1B	HOSE
1	632963	SHOE	2	6314	MAG	10	MS28513-010	O-RING
1	833845	SCREW	2	833893-1B	BEARING	12	22022	NUT
1	633958-2	SLEEVE	2	636931	NUT	12	642338	BEARING

Page 2 of 2

1	839905	VALVE	2	641361	RETAINER	12	652422	NUT
1	841156	SUPPORT	2	643626-110	PIN	12	653806	LIFTER ASM
1	641368	BEARING	2	643626-111	PIN	12	654487	NUT
1	641533	SEAL	2	652420-9.02	THRU BOLT	12	655959	BOLT
1	642121-10H	SHAFT	2	Q5100M6H	CLAMP	12	SA632310-S	GASKE
1	643109	SPRING	3	532132	PLUG	12	URHM38E MVP	SPARK PLUG MVP
1	646416	BUMPER	4	38025	WASHER	18	653189	WASHER
1	646597A1	BEARING SET	4	826487	SCREW	18	Q5100M24H	CLAMP, HOSE
1	653656	SCRN ASM-SC	4	628321-38	SCREW	20	639058	WASHER
1	AA48109 MVP	FILTER	4	831998	RETAINER	24	627693	BUSHING
1	AE3663161E0114	HOSE ASSY	4	639680	BUSHING	24	646605	NUT
1	AE3663161F0130	HOSE ASSY	4	654584	SCREW	25	501867	WASHER
1	AE3663161F0210	HOSE ASSY	4	654586	SCREW	36	852421	NUT
1	C9-11BS-1	HARNES	4	655269	BUSHING			

-END-

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 →					
3-10-08 N601CD	Engine Log		Hobbs: 2032.1 ACTT: 2032.1		Eng TT: 2032.1 Eng TSO: N/A
<p>Completed Annual inspection in accordance with part 43 appendix "d" and Cirrus SR20 MM inspection checklist. Differential compression check: 1-70/80, 2-72/80, 3-30/80, 4-62/80, 5-75/80, 6-7780.</p> <p>Removed engine and re-installed same engine PN IO-360-ES SN 357896 after overhaul by Aircraft Engine Specialist. Installed engine using new isolator mounts J-9613-58. Replaced all flexible fluid lines. Serviced engine with 8 qts. of Phillips 20W-50 oil. Performed ground break in run.</p> <p>ADs current through 2008-04.</p> <p>I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.</p> <p>Jerry Lea <i>[Signature]</i> IA3063541</p>					
07/03/08			HOBBS: 2053.4		
CHANGE OIL AFTER ENG BREAK-IN - DRAIN OIL, REMOVE, LUT, PURGED OIL FILTER. NO METAL FOUND. SERVED ENG. W/ 8 qt of A/S W/100. CHANGE OIL FILTER P/N CH48108-1 OPS OK & LEAK CHECK GOOD.					
01/10/08	Torch 20862		HAI DOAN AP2543964		
Drained oil and removed filter. Replaced filter with new P/N 48108-1. Inspected filter and serviced eng w/ 8 qts of A/S 100w. OPS and leak check good. Jay King <i>[Signature]</i> AP3289230					
02/07/09	N601CD	Hobbs: 2132.5 ACTT: 2132.5		Eng TSN: 2132.5 Eng TSO: 100.4	
ENGINE LOG					
<p>Completed 100-hr inspection in accordance with Part 43 appendix "d" and Cirrus SR20 MM inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8qts A/SW100 oil. Differential compression check: 1-74/80, 2-74/80, 3-74/80, 4-74/80, 5-72/80, 6-74/80. Adj. Fuel mixture. All ops and leak checks good.</p> <p>#1 EGT is inoperative, deferred IAW FAR 91.213(D) and inspected IAW FAR 91.405 (C)&amp;(D)</p> <p>ADs current through 2009-02.</p> <p>This Engine has been inspected in accordance with a 100-hr inspection and was approved for return to service at this time. Pertinent details of work performed dated: 02/03/09, will be in this aircraft's maintenance continuation file</p> <p>Hai Doan <i>[Signature]</i> A&amp;P2843964</p>					
04/24/09	N601CD	Hobbs: 2166.1 ACTT: 2166.1		Eng TSN: 2166.1 Eng TSO: 134.0	
ENGINE LOG					
<p>Completed 100-hr inspection in accordance with Part 43 appendix "d" and Cirrus SR20 MM inspection checklist. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8qts A/SW100 oil. Differential compression check: 1-74/80, 2-74/80, 3-71/80, 4-75/80, 5-75/80, 6-74/80. C/W 500hr. /12mo. Magneto inspection. Installed 12ea new spark plugs. Installed serviceable fuel pump and adjusted. All ops and leak checks good.</p> <p>ADs current through 2009-08.</p> <p>This Aircraft has been inspected in accordance with an ANNUAL and was approved for return to service at this time. Pertinent details of work performed dated: 04/24/09, will be in this aircraft's maintenance continuation file</p> <p>Jerry Lea <i>[Signature]</i> A&amp;P3063541A</p>					

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections
	Hrs.	Min.	Hrs.	Min.	

06/23/09      **N601CD**      Hobbs: 2266.0      Eng TSN: 2266.0  
 ACTT: 2266.0      Eng TSO: 233.9

#### ENGINE LOG

Completed 100-hr inspection in accordance with Part 43 appendix "d" and Cirrus SR20 MM Inspection checklist. Differential compression check. 1-72/80, 2-74/80, 3-70/80, 4-72/80, 5-74/80, 6-74/80. Drained oil, replaced oil filter, p/n CH48108-1, and serviced with 8qts A/SW100 oil. All ops and leak checks good.

ADs current through 2009-12.

This Aircraft has been inspected in accordance with a 100hr inspection and was approved for return to service at this time. Pertinent details of work performed dated: 06/23/09, will be in this aircraft's maintenance continuation file.

Har Doan  A&P2843964

#### ADVANCED AIRCRAFT CENTER, INC.

14300 SW 129<sup>TH</sup> STREET  
 MIAMI, FLORIDA 33186  
 PHONE # 305-259-8291

ENGINE  
 T.S.O.

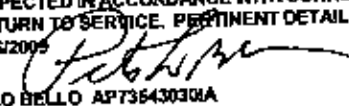
Date:	12/16/2009	Total Time:	2337.6	Hobbs:	2337.6	Hours:	305.3
Manufact:	TCM	Model:	IO360ES6	Ser. No.:	357896	Reg:	N601CD

#### ENGINE ENTRY

1. DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL
2. INSTALL FUEL PUMP P/N# 649368-46A4 S/N# B05DA051 REPAIRED BY WESTERN SKYWAYS UNDER W/O# 0025726
3. PERFORM TCM SID 97-30 FUEL FLOW ADJUSTMENT

#### MAINTENANCE RELEASE

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # BA111809 DATE: 12/16/2009

SIGNATURE OF AUTHORIZED REPRESENTATIVE:   
 FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO APT35430301A

#### ADVANCED AIRCRAFT CENTER, INC.

14300 SW 129<sup>TH</sup> STREET  
 MIAMI, FLORIDA 33186  
 PHONE # 305-259-8291

Date:	3/3/2010	Total Time:	2339.6	Fit Hobbs:	0.0	Eng TSOH:	307.5
Manufact:	TCM	Model:	IO-360ES6	Ser. No.:	357896	Reg:	N601CD

#### ENGINE MAINTENANCE NOTES

1. INSTALL NEW FLIGHT HOBBS METER & DIFFERENTIAL PRESSURE SWITCH, P/N# 50485-001 AND P/N# 14128-001, OPS CHECK GOOD
2. NEW ENGINE TOTAL TIME IS 2339.6, FLT HOBBS: 0.0

#### MAINTENANCE RELEASE

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. # BA030110 DATE: 3/3/2010

SIGNATURE OF AUTHORIZED REPRESENTATIVE:   
 FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO APT35430301A





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

Brought For

Advanced Aircraft Center, Inc  
14299 SW 127th St, Suite 101  
Miami, Florida 33186  
Ph: 305-259-8291 Fx: 305-259-8302

Date: 6/17/2011; Aircraft: N601CD; Type: Cirrus SR20; Engine - Type: IO-360-E86, S/N: 357896

- 1) Perform Annual/100Hr inspection IAW The Cirrus SR20 Inspection Manual
- 2) Compression Check: #1) 73/80, #2) 86/80, #3) 72/80, #4) 69/80, #5) 71/80, #6) 74/80
- 3) Adjust & Secure Cylinder #1 Fuel Injector Line Away From Intake Tube
- 4) Complied With AD 2010-11-04 To Prevent Excessive Hydraulic Lifter Wear; DNA. Engine Was Re-Built Before June 19, 2009, And No Lifters Have Been Replaced After June 19, 2009
- 5) a) Flight Hobbs Reading: 237.3  
b) Hobbs Reading: 2377.9  
c) Engine TT: 2362.9  
d) Engine TSMOH: 330.6

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 11-1201 DATE: 6/17/2011  
SIGNATURE OF AUTHORIZED REPRESENTATIVE: *Peter J. Lo Bello*

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036A

01/13/2012	Hobbs	2431.4	Removed + Replaced all sparkplugs P/N RHM38E. Ops check good this date. End. <i>Allen Tvergyak</i> 2761395 A+P
05/10/2012	Hobbs	2446.4	Replaced worn blade connectors cyl #3 CHT. Ops check good this date End. <i>Allen Tvergyak</i> 2761395 A+P

### Pacific Aircraft Services

22265 Yellowgate Lane suite 204 Aurora OR 97002 PH: 503.784.5580

Date: 06 Jul 2012  
Aircraft Reg: N9467S  
Aircraft S/N: D8054

Aircraft Hobbs Time: 2458.2  
Aircraft Total time: 2443.2

Engine P/N IO360E56  
Engine S/N 357896  
Engine TSO: 411.1

100 hour inspection of this engine completed IAW Cirrus SR20 Maintenance manual  
100 our inspection checklist. All spark plugs cleaned and gapped to specs. Engine oil and filter replaced, oil filter P/N CH48108-1 serviced with 8 qts Aeroshell W100 oil.  
Removed, cleaned inspected and reinstalled fuel injectors.  
Replaced EGT & CHT engine compartment connectors.  
Compression check #1 72/80 #2 72/80 #3 72/80 #4 68/80 #5 70/80 #6 72/80

AD 2008-11-18 Pressure test of exhaust system completed, no defects.  
AD 2011-26-07 Slick Magnetos impulse coupling stop pin. N/A by S/N  
AD 2012-03-06 Avstar fuel system Diaphragm P/N. N/A by MFG date.  
AD's current through Bi-weekly 2012-14

100 inspection of this engine completed in scope and detail of appendix D of part 43 and is determined to be in AIRWORTHY condition. This engine approved for return to service.

Jeff Schreiber  
A&P 3159092 *[Signature]*

Jeff Cone  
IA3160523 *[Signature]*

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

7777 NE Airport Way  
Portland, Oregon 97218  
FAA CRS#: FCPR831D

**FLIGHTCRAFT**

Log Entry Type: Engine Reg#: N601CD Model: TCM IO-360-ES6 S/N: 357896  
Hobbs/Flight: 2519.4/116.1

**Complied with the following inspections:**

**Sqk Work Performed**

- 1.1 Completed annual inspection I/A/W FAR Part 43, Appendix D using Cirrus SR20 Scheduled Inspection Report AMM 5-20 dated 5-31-11 as a guide. Changed oil with 8qts Aeroshell W100 and filter P/N CH48108-1. Inspected old filter, No contaminants noted. Cylinder compression checks #1) 69/80, #2) 71/80, #3) 60/80, #4) 66/80, #5) 73/80, #6) 70/80

**Complied with the following Airworthiness Directives and Service Bulletins:**

**Sqk Work Performed**

Researched airworthiness directive through bi weekly issue 2013-13, none applicable at this time.

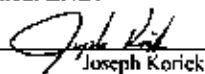
**Following repairs accomplished:**

**Sqk Work Performed**

- 4.1 Removed and replace the #6 CHT probe with new probe P/N 14880-001. Ran aircraft and performed ops check. Ops check good. Work performed I/A/W Cirrus SR20 M.M. Ch. 77-20.  
4.2 Replaced Alternator belt P/N 655627-1 I.A.W. Cirrus SR20 MM Ch. 24-30  
4.6 Replaced Air Filter P/N BA-111 I.A.W. Brackett Aero Filters Inc. STC-SA71GL List No. 1 Instructions  
4.8 Replaced #3 & #5 cylinder Baffle springs P/N's 532377 I.A.W. IO-360-ES MM Ch. 72-50-04  
4.9 Replaced Drain Line manifold P/N 642580 below right cylinders I.A.W. Cirrus SR20 MM Ch. 71-70

Pertinent details of the work described above are on file at this agency under W.O. #: PDX-13-927. I certify that this engine has been inspected in accordance with FAR Part 43, Appendix D, current federal aviation regulations and was determined to be in airworthy condition with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

  
Joseph Korick  
Page 1 of 1

Date: 9/27/13

90454 Boeing Drive  
Eugene, OR 97402

**FLIGHTCRAFT**

Log Entry Type: Engine Reg #: N601CD Model: Continental IO-360-ES6 S/N: 357896  
Flight/Hobbs: 124.6/2530.0 TT: 2464.2 TSO: 432.1

**Following repairs accomplished:**

**Sqk Work Performed**

- 2.1 Drained oil and serviced with 7 Quarts of Aeroshell W100 oil. Removed and inspected oil filter and pickup screen no abnormal debris noted. Reinstalled oil pickup screen and installed new CH48108-1 oil filter. Oil change performed per Cirrus SR20 Airplane Maintenance Manual chapter 12-10 dated September 19, 2010. Performed compression check per Continental Motors SB97-2B dated April 19, 2004. Compressions as follows: 1) 74/80, 2) 73/80, 3) 63/80, 4) 67/80, 5) 75/80, 6) 70/80. Borescope inspection reveals no defects.  
2.3 Added high temperature silicone between fuel line and induction tube to prevent further chafing. Work done per standard practices.  
2.5 Removed left magneto Model 6314, S/N 07041244. Removed right magneto, Model 6314, S/N 04102759. Reinstalled same magnetos after overhaul and repair and timed to engine per Continental Motors MSB94-8D "Magneto To Engine Timing" dated February 17, 2010. See FAA Forms 8130-3 dated January 16, 2014. Ground run up shows no leaks or other defects.  
2.6 Replaced fuel control drain hose with MILDTL6000D14 hose per Cirrus SR20 Airplane Maintenance Manual chapter 71 dated June 15, 2010.

This certifies that only work requested by the customer under W.O.# EUG-14-265 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations. is airworthy, and is approved for return to service with respect to the work performed. END.

Kennan Andersen AP482866633



Date: February 6, 2014

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

3/31/14 Cirrus SR-20 N601CD SN:1465

Hobbs: 2583.6 Tach 170.4

50Hr oil change performed in accordance with Cirrus M/M.

Drained oil and serviced with 8 quarts Aeroshell W100.

Replaced oil filter with Champion CH48108-1. Cut open old filter and inspected for metal. No significant metal found.

Run up and leak check good. Returned to service.

*Zachary Forsberg*  
Zachary Forsberg 3148919AP



Date 7/28/2014 P/N IO-360-ES S/N 357896 Tail Number N601CD

Tach 2546.0 Hobbs 223.3 TTSN TTSMOH 530.8

☒ 100 Hr ☐ Annual ☐ Repair ☒ X\_Oil change

### ENGINE

Drained and sampled oil, R&R oil filter w/new p/n CH 48-108-1. Serviced engine w/Bqts Aeroshell 100W. Leak checked. Operational check satisfactory.

END

*Scott Merrill*  
Scott Merrill

A&P#27663621A

ENGINE MODEL:  
IO-360-ES  
ENGINE S/N: 357896  
REG. NO: N601CD  
WORK ORDER:  
6390-07-2014



Twin Cities Aviation, Inc.

Repair Station No. 5TCR1058  
8881 Airport Rd Bldg 2  
Blaine, Minnesota 55449  
Phone: 783-784-9185

DATE: 8/12/2014  
AIC TSN: 2656.7  
ENG TT: 2656.7  
TSMOH: 541.5  
HOBBS: 2656.7

### Engine Entries

CNW a Annual Engine Inspection IAW Cirrus SR 20 MM and JG. AD's researched to date. Researched Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of AeroShell W100 oil and new Tecumseh AA48108-2 filter. Quick drain verified closed and filter torqued and sealed. R&R induction air filter w/ new BA-24. Cleaned, inspected, gapped and tested spark plugs. Borescoped/looked down tested cylinders IAW TCM service bulletin SB03-3. Compression: #1 - 68/80, #2 - 70/80, #3 - 68/80, #4 - 70/80, #5 - 72/80, #6 - 80/80. External magneto timing checked and adjusted to 24 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check sat. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed:  
—Performed fuel setup IAW Continental Motors SID 97-2F. Adjusted fuel pressure to within allowable limits and adjusted idle mixture to a rise of 40 RPM. During fuel setup, engine was not making rated RPM. Adjusted prop governor control rod to increase static RPM. Ops check satisfactory. —Removed and replaced quick drain valve, P/N: 98250. Operational check satisfactory. No leaks detected. —Removed and replaced alternator #1 belt, P/N: 655627-1, with new part. Tensioned and sealed belt. Removed and reinstalled prop and torqued nuts to 75 ft lbs IAW Cirrus MM. Functional check satisfactory. —Removed and replaced #2 and #3 cylinder exhaust gaskets, P/N: 690365. Functional check satisfactory. No leaks detected at this time. —Installed 9 new spark plugs, P/N: LRP4838E, to replace failed plugs. Functional check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 8/12/2014

SIGNED:

*Benjamin Porch*  
Benjamin Porch  
Certified Repair Station No. 5TCR1058

Work Order: 6390-07-2014

Printed by EBis 3 (datacomedia.com)

12/16/2014

50 hour oil 284.3 tach 2717.2 hobbs

*Airspeed Aviation*

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

Bro



Date 12/16/2014 P/N IO-360-E5 S/N 357896 Tail Number N601CD  
 Tach 284.8 Hobbs 2717.6 TTSN 2717.2 TTSMOH 591.5 592.5  
☐ 100 Hr ☐ Annual ☐ Repair X\_Oil change \_\_\_\_\_

**ENGINE**

Drained and sampled oil. Removed, cut and inspected filter element. No defects noted. Replaced oil filter w/new p/n CH 48-108-1. Serviced engine w/7qts Aeroshell 100W, as per owners request. Leak checked. No leaks detected.

*[Signature]*  
 Scott Merrill  
 A&P#27663621A

DATE	2/20/2015	FALCON EXECUTIVE AVIATION, INC.	W.O. #	SVC-5877
REG	N601CD	4766 E. FALCON DR.	TACH	325.3
TCM	IO-360-ES6	MESA, ARIZONA 85215	TT	2757.8
SER #	357896	FAA APPROVED REPAIR STATION NO. X0FR185J	SMOH	633.1

**ENGINE LOG ENTRY**

1. Drained oil and replaced oil filter AA48108-2. Cut open removed oil filter and inspected contents. No FOD noted. Serviced with 7 Qts Aeroshell 50W. Engine cleaned, ground run and leak checked.
2. Compression check: (1) 70/80 (2) 70/80 (3) 70/80 (4) 69/80 (5) 74/80 (6) 64/80. MO 44.
3. The work identified above was performed in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service.

AUTHORIZED SIGNATURE: *[Signature]* CRS X0FR185J

Pertinent details of work accomplished on this aircraft are on file at this agency under work order # SVC-5877.

END



**RED MOUNTAIN AIRCRAFT MAINTENANCE**

N601CD  
 HOBBS: 2792.6  
 AFTT: 2792.6  
 03/13/2015

CIRRUS  
 SR20  
 S/N 1465

INSTALLED NEW SPARK PLUGS IN BOTTOM OF CYLINDERS 2, 3, AND 5. CLEANED AND INSPECTED FUEL INJECTORS. INSTALLED ALL NEW EXHAUST GASKETS ON LII EXHAUST MANIFOLD. ALL WORK PERFORMED IAW CMI IO-360 MM. THIS ENGINE IS IN AN AIRWORTHY CONDITION AND I APPROVE IT FOR RETURN TO SERVICE AT THIS TIME.

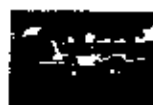
MARK TORGERSON

*[Signature]*

AP32078741A

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

Bro



# MAS Aviation, LLC

Engine Log Entry

04/09/2015

N601CD

Cirrus SR20-G2

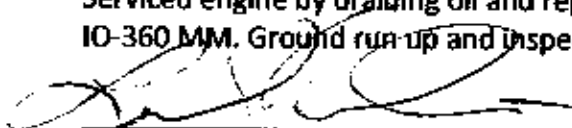
S/N 1465

HOBBS: 2807.6

TACH: 360.0

TSOH: 667.8

Serviced engine by draining oil and replaced with 6 quarts of Aeroshell 100W IAW CMI IO-360 MM. Ground run up and inspection with no leaks found. Returned to service.

  
Leslie Sherlin, Private Pilot and Owner Lic. #3727360



RED MOUNTAIN AIRCRAFT MAINTENANCE

N601CD

HOBBS:2807.6

AFTT: 2807.6

04/09/2015

CIRRUS

SR20

S/N 1465

REMOVED MAGS AND SENT OUT FOR 500 HOUR INSPECTION. INSTALLED INSPECTED MAGS AND RUN UP AND OPS AND LEAK CHECK GOOD. ALL WORK PERFORMED IAW CMI IO-360 MM. THIS ENGINE IS IN AN AIR WORTHY CONDITION AND I APPROVE IT FOR RETURN TO SERVICE AT THIS TIME.

MARK TORGERSON



AP3207874

Date

Total Time

Time Since

**Engine Service and Maintenance Record**

ctions,

Brought



RED MOUNTAIN AIRCRAFT MAINTENANCE

N601CD  
 FLIGHT: 378.6  
 HOBBS: 2829.7  
 AFTT: 2829.7  
 06/19/2015

CIRRUS  
 SR20  
 S/N 1465

PERFORMED 50 HOUR INSPECTION. DRAINED OIL, INSTALLED NEW OIL FILTER, AND SERVICED ENGINE WITH 7 QTS AEROSHELL 100. ADJUSTED MAG TIMING. ADJUSTED FUEL FLOW IAW SID97-3F. ALL WORK PERFORMED IAW CMI IO-360 MM. THIS ENGINE WAS INSPECTED IAW 50 HOUR INSPECTION AND IS IN AN AIRWORTHY CONDITION AND I APPROVE IT FOR RETURN TO SERVICE AT THIS TIME.

MARK TORGERSON

AP3207874



RED MOUNTAIN AIRCRAFT MAINTENANCE

N601CD  
 HOBBS: 2859.9  
 AFTT: 2859.9  
 9/26/2015

CIRRUS  
 SR20  
 S/N 1465

PERFORMED OPERATIONAL RUN UP AND CHECK. REMOVED, CLEANED, INSPECTED, GAPPED, TESTED AND REINSTALLED SPARKPLUGS WITH NEW GASKETS. PERFORMED COMPRESSION TEST AS FOLLOWS: #1) 74/80 #2) 72/80 #3) 74/80 #4) 74/80 #5) 75/80 #6) 65/80. INSTALL NEW INDUCTION AIR FILTER BA24. CHECK MAGNETO TIMING. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME

MARK TORGERSON

AP3207874



RED MOUNTAIN AIRCRAFT MAINTENANCE

N601CD  
 HOBBS: 2888.0  
 AFTT: 2888.0  
 11/10/2015

CIRRUS  
 SR20  
 S/N 1465

RAN ENGINE TO TEMP AND DRAINED OIL. REPLACED OIL FILTER WITH NEW AA48108-2 OIL FILTER AND SERVICED ENGINE WITH 7 QTS AEROSHELL W100 AND 12 OZ OF CAMGUARD. RUN UP AND LEAK CHECK GOOD.

MARK TORGERSON

AP3207874

