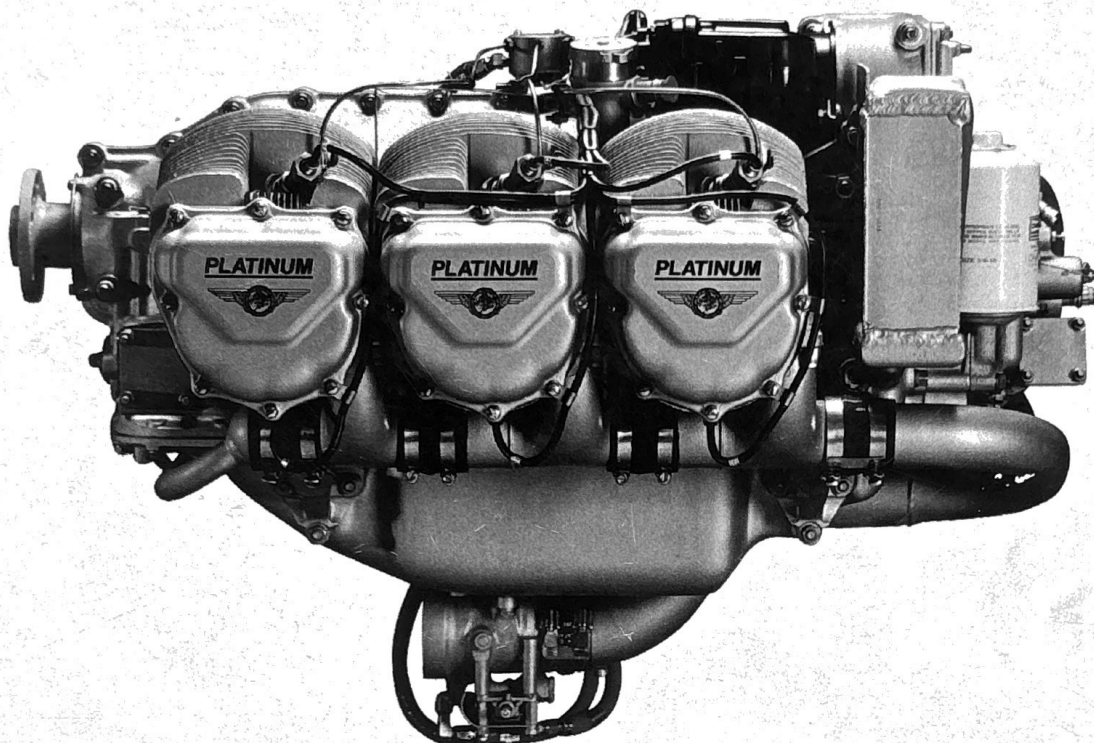


# PLATINUM ENGINE LOG BOOK



## CONTINENTAL MOTORS

# PLATINUM ENGINE LOG BOOK



## CONTINENTAL MOTORS

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



**Teledyne Continental Motors, Inc.**

A Teledyne Technologies Company

Printed: 02/13/2007

This engine model I0550N46, Serial No. 690836 was manufactured on 02/13/2007 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.



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**TELEDYNE CONTINENTAL MOTORS**

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

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.	

**TDL AERO ENTERPRISES**

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR TACH 10.9 DATE 4/9/07

REMOVED COWLING AOA OIL SAMPLE TAKEN, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL MINERAL OIL, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

**TDL AERO ENTERPRISES**

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR TACH 18.4 DATE 4/23/07

REMOVED COWLING, DRAINED OIL, AOA OIL SAMPLE TAKEN, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL 100 MINERAL OIL, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

**TDL AERO ENTERPRISES**

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR TACH 67.8 DATE 6/13/07

REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, AOA OIL SAMPLE TAKEN, FILTER INSPECTED, SERVICED WITH AERO SHELL 100, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

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

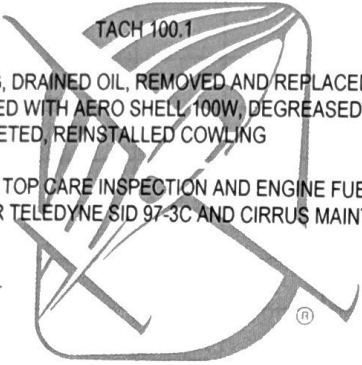
## TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR

TACH 100.1

DATE 7/24/07



REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL 100W, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

COMPLETED ENGINE TOP CARE INSPECTION AND ENGINE FUEL SYSTEM ADJUSTED & SET PER TELEDYNE SID 97-3C AND CIRRUS MAINTENANCE MANUALS

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

## TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR

TACH 148.2

DATE 9/19/07

REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, AOA OIL SAMPLE TAKEN, FILTER INSPECTED, SERVICED WITH AERO SHELL 15W-50, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING.

COMPLETED ENGINE TOP CARE INSPECTION AND ENGINE FUEL SYSTEM ADJUSTED & SET PER TELEDYNE SID 97-3C AND CIRRUS MAINTENANCE MANUALS

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

## TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR

TACH 194.1

TT 194.1

DATE 12/12/07

CHANGED OIL, FILTER REPLACED, COMPRESSION CHECKED CYLINDER #1-74/80 #2-78/80 #3-78/80 #4-78/80 #5- 7680 #6-72/80, SPARK PLUGS CLEANED AND GAPED, TIMING CHECKED, WASHED DOWN ENGINE AND PERFORMED RUN-UP.

REMOVED ROCKER COVERS, CLEANED AND APPLIED SEALANT TO GASKETS, REINSTALLED ROCKER COVERS

TIGHTENED INTAKE TUBE CLAMP

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 HR. INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

*Chris W. Palage*  
 Chris W. Palage  
 AP3177058



## TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR

TACH 238.8

TT 2.8.8

DATE 4/17/08

CHANGED OIL, FILTER REPLACED, COMPRESSION CHECKED CYLINDER #1-78/80 #2-78/80 #3-78/80 #4-78/80 #5-78/80 #6-78/80, SPARK PLUGS CLEANED AND GAPED, TIMING CHECKED, WASHED DOWN ENGINE AND PERFORMED RUN-UP.

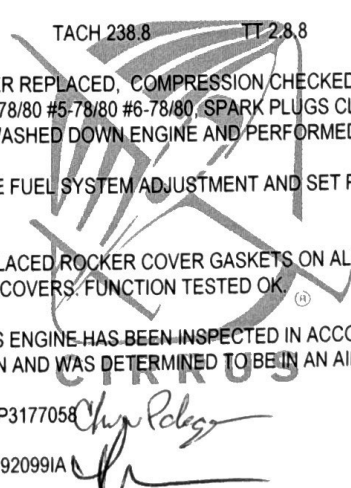
COMPLETED ENGINE FUEL SYSTEM ADJUSTMENT AND SET PER TELEDYNE SID 97-3D

REMOVED AND REPLACED ROCKER COVER GASKETS ON ALL CYLINDERS WITH NEW, REINSTALLED COVERS. FUNCTION TESTED OK.

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

CHRIS W. PALAGE AP3177058

Tom E. Lopes AP572492099IA







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

**TDL AERO ENTERPRISES**

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402  
 TACH 399.0 DATE 1/19/09

N 454SR

REMOVED COWLING, DRAINED OIL, AOA OIL SAMPLE TAKEN, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL 100W, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

**TDL AERO ENTERPRISES**

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N 454SR TACH 442.4 TT442.4 DATE 05/05/09

C/W ANNUAL PER CIRRUS DESIGN MAINTENANCE MANUAL 05-20 MODEL SR22 DATED APRIL 15, 2007, COMPRESSION CHECKED CYLINDER #1- 70/80 #2- 70/80 #3- 70/80 #4- 70/80 #5- 70/80 #6- 70/80, CHANGED OIL, OIL FILTER CHANGED, OIL SAMPLE TAKEN, SPARK PLUGS CLEANED & GAPPED, AS REQUIRED TIMING CHECKED, COMPLETED ENGINE FUEL SYSTEM ADJUSTMENT AND SET PER TELEDYNE SID 97-3E, COMPLETED ENGINE TOP CARE INSPECTION AND ENGINE FUEL SYSTEM CHECK PER TELEDYNE SID 97-2B AND TCM MAINTENANCE MANUALS, WASH DOWN ENGINE AND PERFORM RUN-UP.

C/W CIRRUS/TCM REQUIRED INSPECTION PROCEDURES 500 HR MAGNETO INSPECTION PER TCM SERVICE INSTRUCTIONS MSB645 COMPLIANCE ALSO MEETS THE REQUIREMENTS OF AD 2005-12-06 AS APPLICABLE

REMOVED AND REPLACED SPARK PLUGS WITH NEW

REMOVED AND REPLACED AIR FILTER WITH NEW

COMPLETE AD AND SB SEARCH

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

*Chris W. Palage*  
 CHRIS W. PALAGE AP3177058

*Randy Noe*  
 RANDY NOE AP553961616A

**TDL AERO ENTERPRISES**

44 MACREADY DRIVE, MERCED CA 95340  
 MERCED MUNICIPAL AIRPORT  
 (209) 722-7700 FAX (209) 722-3402

N454SR

TACH 481.8

DATE 08/14/09

REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL 100W, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

INSTALLED AIRWOLF AFC-W347-A AIR/OIL SEPARATOR ACCORDING TO AIRWOLF FILTER CORP, SUPPLEMENTAL TYPE CERTIFICATE #SA02268CH, DATED MARCH 30, 2006. SEE 337 FORM DATED 8/14/09

*Chris W. Palage*  
 CHRIS W. PALAGE  
 AP3177058

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 →

**TDL AERO ENTERPRISES**  
44 MACREADY DRIVE, MERCED CA 95340  
MERCED MUNICIPAL AIRPORT  
(209) 722-7700 FAX (209) 722-3402

N 454SR TACH 547.2 DATE 11/27/09

REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL 100W DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED, REINSTALLED COWLING

  
CHRIS W. PALAGE  
AP3177058

**TDL AERO ENTERPRISES**  
44 MACREADY DRIVE, MERCED CA 95340  
MERCED MUNICIPAL AIRPORT  
REPAIR STATION CERTIFICATE #7TLR012B  
(209) 722-7700 FAX (209) 722-3402

N 454SR TACH 555.7 DATE 03/18/2010

COMPLETED ANNUAL INSPECTION IAW CIRRUS DESIGN MAINTENANCE MANUAL 05-20 MODEL SR22 DATED APRIL 15, 2007, COMPRESSION CHECKED CYLINDER #1- 76/80 #2- 70/80 #3- 73/80 #4- 72/80 #5- 70/80 #6- 68/80, CHANGED OIL, OIL FILTER CHANGED, OIL SAMPLE TAKEN, SPARK PLUGS CLEANED & GAPPED, AS REQUIRED TIMING CHECKED, COMPLETED ENGINE FUEL SYSTEM ADJUSTMENT AND SET PER TELEDYNE SID 97-3E, WASH DOWN ENGINE AND PERFORM RUN-UP.

COMPLETED ENGINE TOP CARE INSPECTION AND ENGINE FUEL SYSTEM CHECK PER TELEDYNE SID 97-2B AND TCM MAINTENANCE MANUALS.

REMOVED AND REPLACED AIR FILTER WITH NEW

REMOVED LH MAGNETO AND REPLACED MAGNETO GASKET, REINSTALLED LH MAGNETO, TIMED RH TO LH MAGNETOS, FUNCTION CHECKS OK AT THIS TIME

TIGHTENED LOOSE INDUCTION AIR FILTER CLAMP, FUNCTION CHECKS OK AT THIS TIME

TIGHTENED ROCKER COVER HARDWARE TO SPEC TO PREVENT LEAKING, FUNCTION CHECKS OK AT THIS TIME

REMOVED AND CLEANED FUEL INJECTORS, REINSTALLED FUEL INJECTORS, FUNCTION CHECKS OK AT THIS TIME

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND HAS BEEN APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY

SHAWN B FOGLE  
7TLR012B







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.	

Date **4/28/2011**  
W/O# **11344**



**Engine Logbook Entry**  
**CRS AWKR298C**  
25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: **N 454SR**  
S/N **2428**

Tach / Hobbs 672.5  
Eng TSN 672.5  
Eng TSO NA

COMPLETED AN ANNUAL INSPECTION PER FAR 43 APPENDIX "D" USING CIRRUS SR22 INSPECTION GUIDE. ALL WORK DONE IN ACCORDANCE WITH APPLICABLE MANUALS.  
CHANGED OIL AND FILTER, CUT AND INSPECT FILTER, NO METAL FOUND. TOOK OIL SAMPLE AND SENT OUT FOR ANALYSIS. SERVICED WITH 7 QTS. AEROSHELL **15W50** OIL. RUN UP, NO LEAKS NOTED.  
COMPRESSION CHECK: #1- 61/80, #2- 73/80, #3- 75/80, #4- 69/80, #5- 66/80, #6- 61/80.  
COMPLIED WITH TELEDYNE CONTINENTAL MOTORS MANDATORY SERVICE BULLETIN **95-2**, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.  
INSTALLED NEW GASKETS AND TIMED LEFT AND RIGHT MAGNETOS TO 22 DEGREES. OPERATIONAL CHECKED NORMAL. INSTALED 1 EA NEW P/N RHB-32S SPARK PLUG, FUNCTION CHECKED NORMAL.

**I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed** Damon Schmidt

Damon Schmidt

ENGINE MODEL: **TDL Aero Enterprises**  
IO-550-N  
ENGINE S/N: 690836  
REG. NO: N454SR  
WORK ORDER: 00000698

Repair Station No. 7TLR012B  
44 MACREADY DRIVE  
Merced, CA 95340  
Phone: 209-722-7300

DATE: 11/11/2011  
A/C TSN: 702.6  
ENG TT: 702.6  
HOBBS: 718

**Engine Entries**

Changed oil and filter, sampled oil, inspected oil filter element, found to be satisfactory. Engine inspected and lubed per manufacturers service and maintenance manuals. Washed down engine and run-up leak check performed.

**Maintenance Release**

The aircraft and/or component(s) on N454SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 11/11/2011

SIGNED: Shawn Fogle

Work Order: 00000698

Shawn Fogle  
Certified Repair Station No. 7TLR012B

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1 of 1

Date **4/25/2012**  
W/O# **12114**



**Engine Logbook Entry**  
**CRS AWKR298C**  
25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: **N 454SR**  
S/N **2428**

Tach / Hobbs 748.7  
Eng TSN 748.7  
Eng TSO NA

COMPLETED AN ANNUAL INSPECTION PER FAR 43 APPENDIX "D". ALL WORK DONE IN ACCORDANCE WITH APPLICABLE MANUALS.  
CHANGED OIL AND FILTER. CUT AND INSPECT FILTER, NO METAL FOUND. TOOK OIL SAMPLE AND SENT OUT FOR ANALYSIS. SERVICED WITH 7 QTS. AEROSHELL **15W50** OIL. RUN UP, NO LEAKS NOTED.  
COMPRESSION CHECK: #1- 62/80, #2- 70/80, #3- 74/80, #4- 70/80, #5- 66/80, #6- 56/80. MO=40  
INSTALLED ALL NEW P/N RHB32E SPARK PLUGS, FUNCTION CHECKED NORMAL.

**I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed** Damon Schmidt

Damon Schmidt



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.	

Date 5/9/2012  
W/O# 12157



**Engine Logbook Entry** AIRCRAFT: N 454SR  
CRS AWKR298C S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 756.6  
FLIGHT 741.2

COMPLIED WITH FUEL SYSTEM SETUP PER TCM SID97-3E, ADJUSTED IDLE MIXTURE AND FUEL PRESSURE, FUNCTION CHECKED NORMAL.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Damon Schmidt*

Damon Schmidt

Date 5/18/2012  
W/O# 12189



**Engine Logbook Entry** AIRCRAFT: N 454SR  
CRS AWKR298C S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 761.4  
FLIGHT 746.0

INSTALLED ALL NEW P/N URH36S TEMPEST SPARK PLUGS, FUNCTION CHECKED NORMAL.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Damon Schmidt*

Damon Schmidt

Date 11/9/2012  
W/O# 12562



**Engine Logbook Entry** AIRCRAFT: N 454SR  
CRS AWKR298C S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 820.4  
FLIGHT 805.1

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT. NO DISCREPANCIES NOTED. OIL SAMPLE TAKEN AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL 15W50. RUN UP AND LEAK CHECK NORMAL.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Damon Schmidt*

Damon Schmidt

Date 8/5/2013  
W/O# 13060



**Engine Logbook Entry** AIRCRAFT: N 454SR  
CRS AWKR298C S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 881.1

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL 15W50 ENGINE OIL. RUN UP AND LEAK CHECK NORMAL.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: David Clarke*

David Clarke



Date 4/22/2013

W/O# 12840



Engine Logbook Entry

AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

837.4

Eng TSN

837.4

Eng TSO

N/A

COMPLIED WITH ANNUAL INSPECTION PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. SERVICED ENGINE WITH 7 QUARTS AEROSHELL 15W50 ENGINE OIL. COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER TCM SERVICE BULLETIN 03-3, COMPRESSION TEST RESULTS: #1- 72/80, #2- 68/80, #3- 64/80, #4- 76/80, #5- 64/80, #6- 56/80. COMPLIED WITH TELEDYNE CONTINENTAL MOTORS MANDATORY SERVICE BULLETIN 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. REMOVED INDUCTION TUBE AND INJECTOR LINE FOR CYLINDER #1. SENT INDUCTION TUBE OUT FOR REPAIR. NOTED NO DAMAGE TO INJECTOR LINE. INSTALLED INJECTOR LINE AND INDUCTION TUBE WITH NEW GASKETS AND O-RINGS. REPLACED MAGNETO GASKETS P/N 649954 AND TIMED MAGS PER ENGINE DATA PLATE. REPLACED INJECTOR LINE CLAMP.

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: *[Signature]*

Shawn Matthies

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *[Signature]*

Shawn Matthies

Date 9/13/2013

W/O# 13139



Engine Logbook Entry

AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

891.7

REINSTALLED LEFT MAGNETO P/N 10-500556-1 S/N D07AA190 AND RIGHT MAGNETO P/N 10-500556-1 S/N D07AA189 AFTER 500 HR INSPECTION PERFORMED BY AIRCRAFT ELECTRICAL COMPONENTS UNDER W/O 60515 AND 60516 .TIMED TO ENGINE PER MANUFACTURERS SPECS. OPERATIONAL / LEAK CHECK GOOD.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *[Signature]*

Shawn Matthies AWKR298C

Date 11/7/2013

W/O# 13259



Engine Logbook Entry

AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

913.6

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL W100 ENGINE OIL AND 1 QUART CAMGUARD. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *[Signature]*

Shawn Matthies AWKR298C

Date 3/14/2014

W/O# 13477



Engine Logbook Entry

AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

959.3

REMOVED AND INSPECTED OIL PRESSURE RELIEF VALVE, NO DEBRIS OR WEAR NOTED. CLEANED, INSPECTED AND REINSTALLED USING NEW BASE GASKET. ADJUSTED OIL PRESSURE TO 60 PSI. OPERATIONAL AND LEAK CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *[Signature]*

Shawn Matthies AWKR298C



Date 5/1/2014  
W/O# 13537



**Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Flight	961.7	COMPLIED WITH ANNUAL INSPECTION PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
Eng TSN	961.7	COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER TCM SERVICE BULLETIN 03-3, COMPRESSION TEST RESULTS: #1- 66/80, #2- 46/80, #3- 50/80 #4- 66/80, #5- 68/80, #6- 50/80.
Eng TSO	N/A	COMPLIED WITH TELEDYNE CONTINENTAL MOTORS MANDATORY SERVICE BULLETIN 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.
TTAF	961.7	DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. SERVICED ENGINE WITH 8 QUARTS A/S 100 MINERAL ENGINE OIL. ADJUSTED IDLE MIXTURE AND FULL THROTTLE FUEL FLOW. REMOVED ALL SIX CYLINDERS AND SENT FOR REPAIR. CYLINDERS REPAIRED BY EAGLE ENGINES, CERT# N03R717L UNDER INVOICE# 17806-04-2014. INSTALLED AND TORQUED CYLINDERS PER TCM IO550N ENGINE MAINTENANCE AND OVERHAUL MANUAL M-18. TORQUED AND SAFETIED ASSOCIATED HARDWARE AS REQUIRED. PERFORMED OPERATIONAL AND LEAK CHECK WITH NO DISCREPANCIES. INSTALLED ALL NEW INTAKE AND EXHAUST LIFTERS P/N 653877 AND 653888 DURING INSTALLATION OF CYLINDERS.

**The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:**

Shawn Matthies AWKR298C

**I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed**

Shawn Matthies AWKR298C

Date 8/26/2014  
W/O# 13862



**Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

FLT/Tach / Hobbs	980.3	CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL 100W ENGINE OIL. ADDED 1 PINT CAMGUARD ENGINE OIL ADDITIVE. RUN UP AND LEAK CHECK NORMAL.
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**The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:**

Shawn Matthies AWKR298C

Date 4/16/2015  
W/O# 14310



**Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Flight	1013.9	COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
Eng TSN	1013.9	COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER TCM SERVICE BULLETIN 03-3, COMPRESSION TEST RESULTS: #1- 71/80, #2- 64/80, #3- 71/80 #4- 68/80, #5- 73/80, #6- 66/80. MASTER ORIFICE: 44/80.
Eng TSO	N/A	DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS 100W ENGINE OIL AND 1 PINT CAMGUARD.
TTAF	1013.9	COMPLIED WITH TELEDYNE CONTINENTAL MOTORS MANDATORY SERVICE BULLETIN 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. ADJUSTED LEFT AND RIGHT MAGNETO TIMING.

**The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:**

Shawn Matthies AWKR298C

**I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed**

Shawn Matthies AWKR298C



Date 8/26/2015

W/O# 14625



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs

1044.4

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL 100W ENGINE OIL AND 1 PINT OF CAMGUARD. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthies AWKR298C

Date 4/21/2016

W/O# 15133



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Flight

1074.1

Eng TSN

1074.1

Eng TSO

N/A

TTAF

1074.1

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI SERVICE BULLETIN 03-3. COMPRESSION TEST RESULTS: #1- 70/80, #2- 64/80, #3- 70/80 #4- 64/80, #5- 70/80, #6- 70/80. MASTER ORIFICE: 43/80. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W AND CAMGUARD, ENGINE OIL. COMPLIED WITH CONTINENTAL MOTORS INC SB 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: [Signature]

Shawn Matthies AWKR298C

Date 11/3/2016

W/O# 15667



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach

1110.8

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL. ADDED 1 PINT GAMGUARD ENGINE OIL ADDITIVE. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthies AWKR298C

Date 4/27/2017

W/O# 15959



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Flight

1157.9

Eng TSN

1157.9

Eng TSO

N/A

TTAF

1157.9

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 66/80, #2- 54/80, #3- 70/80, #4- 55/80, #5- 63/80, #6- 67/80. MASTER ORIFICE: 40. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL W100 ENGINE OIL AND 1 PINT OF CAMGUARD. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: [Signature]

Shawn Matthies AWKR298C



Date 7/28/2017

W/O# 16270



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach 1186.7 REMOVED STARTER P/N 646275-1R S/N H-K120667. INSTALLED OVERHAULED STARTER P/N 626275-1R S/N H-P071397. STARTER OVERHAULED BY HARTZELL ENGINE TECHNOLOGIES CERT# 1HZR769B UNDER W/O# M623740.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

David Clarke AWKR298C

Date 8/7/2017

W/O# 16311



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach 1195.60 CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL AND 1 PINT CAMGUARD. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

David Clarke AWKR298C

Date 5/1/2018

W/O# 16740



Engine Logbook Entry AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Tach / Flight 1223.3 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
Eng TSN 1223.3 MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 71 /80, #2- 68 /80, #3- 68 /80, #4- 62 /80, #5- 60 /80, #6- 71 /80. MASTER ORIFICE: 46 /80.
Eng TSO N/A DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL AND ONE PINT OF CAMGUARD.
TTAF 1223.3 INSTALLED NEW LH MANIFOLD DRAIN LINE.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: [Signature]

Shawn Matthies AWKR298C

Date 1/30/2019

W/O# 17401



Engine Logbook Entry

AIRCRAFT: N 454SR

CRS AWKR298C

S/N 2428

25170 Aviation Ave., Davis, CA 95616

Flight 1,248.30 CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL W100 ENGINE OIL AND ONE PINT OF CAMGUARD. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

David Clarke AWKR298C



Date 5/1/2019  
W/O# 17582



**Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Flight 1251.70 COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Eng TSN 1251.7 DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW

Eng TSO N/A FILTER AND SERVICED ENGINE WITH AEROSHELL 100 MINERAL ENGINE OIL. RUN UP AND LEAK CHECK NORMAL.

TTAF 1251.7 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL. COMPRESSION TEST RESULTS: #1- 70/80, #2- 55/80, #3- 65/80, #4- REP, #5- 62/80, #6- 70/80. MASTER ORIFICE: 45/80. INSTALLED NEW #4 AND #6 LOWER SPARK PLUG WIRE LEAD SPRINGS.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:*

Shawn Matthies AWKR298C

*I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed*

Shawn Matthies AWKR298C

Date 8/6/2019  
W/O# 17779



**Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach 1293.4 CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL W100 ENGINE OIL & 1 PINT OF CAMGUARD.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:*

Shawn Matthies AWKR298C

Date 10/22/2019  
W/O# 18040



**RH Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach 1332.4 CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL W100 ENGINE OIL AND 1 PINT OF CAMGUARD.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:*

Shawn Matthies AWKR298C

Date 5/7/2020  
W/O# 18401



**Engine Logbook Entry** AIRCRAFT: N 454SR  
**CRS AWKR298C** S/N 2428  
25170 Aviation Ave., Davis, CA 95616

Tach / Flight 1393.40 COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Eng TSN 1393.40 COMPLIED WITH DIFFERENTIAL COMPRESSION TEST RESULTS: #1- 63/80, #2- NEW, #3- 52/80 #4- 67/80, #5- 66/80, #6- 70/80. MASTER ORIFICE: 38/80.

Eng TSO N/A DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW

TTAF 1393.40 FILTER AND SERVICED ENGINE WITH AEROSHELL 100 STRAIGHT MINERAL ENGINE OIL. REMOVED #2 CYL P/N 655932E S/N AC06KB150 AND INSTALLED NEW LOADED CYL P/N 658815A1 S/N AC20AA704. REMOVED MAGNETOS P/N 10-500556-1, LEFT S/N D07AA190 AND RIGHT S/N D07AA189. INSTALLED REBUILT MAGNETOS P/N BL-500556-1, LEFT S/N D19GA079R AND RIGHT S/N D19GA051R AND TIMED TO ENGINE. MAGS REBUILT BY CONTINENTAL MOTORS INC CRS#PQ1269CE UNDER W/O 709881. REINSTALLED ENGINE DRIVEN FUEL PUMP P/N 655921-3A1 S/N B07AA226 AFTER REPAIRS BY WESTERN SKYWAYS, INC CRS# WS9R575J UNDER W/O W056659. INSTALLED ALL NEW REAL PREMIUM SILICONE ROCKER COVER GASKETS. INSTALLED OIL FILLER TUBE HOUSING AFTER WELD REPAIR.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:*

Shawn Matthies AWKR298C

*I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed*

Shawn Matthies AWKR298C



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 $\longrightarrow$					

Date 5/21/2020

W/O# 18464



**Engine Logbook Entry**

**CRS AWKR298C**  
25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 454SR  
S/N 2428

FLIGHT METER

1403 ADJUSTED IDLE UNMETERED FUEL PRESSURE PER M-0 MM. SECURED ATTACHING HARDWARE. OPERATIONAL AND LEAK CHECKED NORMAL.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Shawn Matthies*

Shawn Matthies AWKR298C

Date 6/18/2020

W/O# 18537



**Engine Logbook Entry**

**CRS AWKR298C**  
25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 454SR  
S/N 2428

Flight

1,418.10 CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL W100 ENGINE OIL. RUN UP AND LEAK CHECK NORMAL.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: David Clarke*

David Clarke AWKR298C

Registration	N454SR		Date	10/20/2020
Make	Cirrus		Hobbs	1557.7
Model	SR22		Flight	1468.0
			Work Order	22858
<p>Sierra Mountain Aviation, Inc. 13308 Nevada City Ave, Grass Valley, CA 95945 <b>ENGINE</b></p>				
<p>Serviced with 7 quarts 100W Aeroshell oil Replaced oil filter with new P.N. AA48108-2 Old oil filter inspection good, no contaminants found Added 11.2oz of Camguard <b>Returned aircraft for service</b></p>				
<p>Signature: <u>Daniel L. Grass</u> Daniel L. Grass A/P 3577254 Sierra Mountain Aviation, Inc. 530.273.5273</p>				

Registration	N454SR		Date	05/25/2021
Make	Cirrus		Engine T/T	1528.5
Model	SR22		SMOH	N/A
Serial #	2428			
<p>Sierra Mountain Aviation, Inc. 13308 Nevada City Ave, Grass Valley, CA 95945 <b>Engine</b></p>				
<p>Performed an Annual Inspection service per SMA checklist Performed a compression test, #1 78/80, #2 77/80, #3 74/80, #4 79/80, #5 77/80, #6 78/80 Serviced with 7 quarts 100W Aeroshell oil Replaced oil filter with new P.N. AA48109 Old oil filter inspection good, no contaminants found Cleaned, gapped, and rotated sparkplugs AD #2020-16-11 Cross-Flow Cylinder Assemblies Integrity N/A by cylinder S/N. <b>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</b></p>				
<p>Signature: <u>Daniel L. Grass</u> Daniel L. Grass A/P I.A.3577254 Sierra Mountain Aviation, Inc. 530.273.5273</p>				

Registration N454SR  
Make Cirrus  
Model SR22



Date 07/22/2021  
Hobbs 1644.1  
Flight 1554.4  
Work Order 23014

Serviced with 7 quarts 100W Aeroshell oil  
Replaced oil filter with new P.N. AA48108-2  
Old oil filter inspection good, no contaminants found  
Added 11.2oz of Camguard  
**Returned aircraft for service**

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

Registration N454SR  
Make Cirrus  
Model SR22



Date 02/16/2022  
Hobbs 1686.4  
Flight 1596.7  
Work Order 23104

Serviced with 7 quarts 100W Aeroshell oil  
Replaced oil filter with new P.N. AA48108-2  
Old oil filter inspection good, no contaminants found  
Added 11.2oz of Camguard  
**Returned aircraft for service**

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

Registration N454SR  
Make Cirrus  
Model SR22  
Serial # 2428



Date 05/27/2022  
Engine T/T 1615.1  
SMOH N/A  
Fit Time 1615.1  
Hobbs 1704.9  
Work Order 23152

Performed an Annual Inspection service per SMA checklist  
Performed a compression test, #1 74/80, #2 76/80, #3 74/80, #4 77/80, #5 75/80, #6 77/80  
Serviced with 7 quarts 20W-50 Phillips Type M oil  
Replaced oil filter with new P.N. AA48109  
Sent in oil for analysis  
Old oil filter inspection good, no contaminants found  
Cleaned, gapped, and rotated sparkplugs  
Replaced #5 cylinder with overhauled cylinder, overhauled by Western Skyways under W/O WO59023  
All AD's 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

Registration N454SR  
Make Cirrus  
Model SR22



Date 07/21/2022  
Hobbs 1732.4  
Flight 1640.8  
Work Order 23187

Serviced with 7 quarts 100W Aeroshell oil  
Replaced oil filter with new P.N. AA48108-2  
Old oil filter inspection good, no contaminants found  
Added 11.2oz of Camguard  
#5 Cylinder inspection good, lower spark plug is dry  
Compression on #5, 78/80  
**Returned aircraft for service**

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

Date


Registration N454SR  
Make Cirrus  
Model SR22  
Serial # 2428



Date 06/01/2023  
Engine T/T 1695.5  
SMOH N/A  
Fit time 1695.5  
Work Order 23338

Brought Forw

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: 13773-001 Rev B8 dated 04/09/2018 or later revision, Continental manual M-16 Rev 2, dated May 2022 or later revision, Continental manual M-O Rev 1 dated Jan 2023 or later revision or appropriate manufactures manuals  
Performed a compression test, #1 74/80, #2 70/80, #3 75/80, #4 74/80, #5 76/80, #6 72/80  
Serviced with 7 quarts 100W Aeroshell oil  
Replaced oil filter P.N. AA48109  
Old oil filter inspection good, no contaminants found  
Took oil sample for analysis  
Added Camguard  
Retimed left hand mag to 22 degrees BTC  
Cleaned, gapped, and rotated sparkplugs  
AD #2023-05-16 Improper Installation of Counterweight Retaining Rings  
N/A by engine and crankshaft S/N  
AD #2023-02-12 Intake Valve Failures  
N/A effected valves are not installed  
**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

wo: WO\_458

Engine Annual - page 1 of 1



Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

**N454SR**  
TACH: 1746.3

**Continental, IO-550-N, S/N: 690836**

**June 25, 2024**

1. C/W Annual Inspection in accordance with FAR 43 Appendix D using Cirrus AMM as a guide.
2. Drained oil and serviced. Installed (7) P/N Phillips X/C 20W50 - Oil, Installed P/N 08-07096 - Camguard aviation oil additive.
3. Removed and cut open oil filter. No defects noted at this time. Installed P/N AA48108-2 - TEMPEST OIL FILTER.
4. Checked Compressions: #1:70/80, #3:60/80, #5:72/80, #2:64/80, #4:66/80, #6:64/80 MO:44.
5. Checked Magneto timing.
6. Removed and replaced Induction air filter Installed P/N 50207-200 - Brackett Replacement Filter Element, BA-24.
7. Removed gascolator and inspected. Installed with new O-ring. Installed P/N MS29513-137 - O RING, GAS-COLATOR, CIRRUS.
8. Installed new Alt air flapper bolt, AN 3-34 / castle nut / cotter pin. Installed P/N AN3-34 - FLAPPER BOLT, Installed P/N AN310-3 - Castle Nut.
9. R/R LF exhaust heat exchanger, w/ new Installed P/N A14837-001, 14837-001 - Heat Exchanger, SR22, Inconel, S/N 0320-2437 S/N: 232464.

I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO\_458.

Jeff Pleiman A/P I/A 3304319

