

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: 08/25/2003

This engine model I0550N27, Serial No. 913911 was manufactured on 08/25/2003 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. 508

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: IO550N27
ENGINE S/N: 913911
REG. NO: N224SJ
WORK ORDER: 9299

APR Aviation
Repair Station No. X6DR6621
120 Olmsted Way
Monterey, CA 93940
Phone: (831) 373-1511

DATE: 2/18/2004
A/C TSN: 40.10
ENG TT: 40.10
HOBBS: 40.10

Engine Entries

CHANGED ENGINE OIL WITH 9 QTS OF AEROSHELL 15-50, REPLACED OIL FILTER WITH NEW LEAK CHECKED GOOD...RE-TORQUED B NUT AND CAP TO FUEL FLOW ADJUSTMENT T-FITTING. CHECKED ALL OTHER FUEL FITTINGS. NO OTHER LEAKS FOUND

This aircraft and/or component was repaired 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.

DATE: 2/18/2004 SIGNED: *[Signature]*

Work Order: 9299

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ENGINE MODEL: IO550N27
ENGINE S/N: 913911
REG. NO: N224SJ
WORK ORDER: 9783

APR Aviation
Repair Station No. X6DR6621
120 Olmsted Way
Monterey, CA 93940
Phone: (831) 373-1511

DATE: 9/8/2004
A/C TSN: 89.5
ENG TT: 89.5
HOBBS: 89.5

Engine Entries

PERFORMED OIL AND FILTER CHANGE ADDED 7 QUARTS OF AEROSHELL 15-50W OIL CUT OPEN FILTER NOTHING ABNORMAL FOUND. LEAK CHECKED GOOD

This aircraft and/or component was repaired 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.

DATE: 9/8/2004 SIGNED: *[Signature]*
Larry Davis
Certified Repair Station No. X6DR6621

Work Order: 9783

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ENGINE MODEL: IO550N27
ENGINE S/N: 913911
REG. NO: N224SJ
WORK ORDER: 9873

APR Aviation
Repair Station No. X6DR6621
120 Olmsted Way
Monterey, CA 93940
Phone: (831) 373-1511

DATE: 11/30/2004
A/C TSN: 107.5
ENG TT: 40.10
HOBBS: 107.5

Engine Entries

PERFORMED AN ANNUAL INSPECTION I.A.W FAR 43 APPENDIX (D) AND A CIRRUS ANNUAL CHECK LIST...REPLACED FUEL INJECTOR ON #1 CYLINDER WITH NEW...PERFORMED OIL AND FILTER CHANGE ADDED 7 QUARTS AEROSHELL 15W50, REPLACED FILTER WITH NEW. CUT OPEN FILTER NOTHING ABNORMAL FOUND. LEAK CHECKED GOOD...COMPRESSIONS: 1)75/80 2)70/80 3)75/80 4)75/80 5)80/80 6)75/80

BASELINE: 44

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

DATE: 11/30/2004 SIGNED: *[Signature]*
Larry Davis
Certified Repair Station No. X6DR6621

Work Order: 9873

Printed by EBis 3 (datcomedia.com)

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

ENGINE MODEL: IO550N27
ENGINE S/N: 913911
REG. NO: N224SJ
WORK ORDER: 10123



APR Aviation
Repair Station No. X6DR662I
120 Olmsted Way
Monterey, CA 93940
Phone: (831) 373-1511

DATE: 10/19/2005
A/C TSN: 145
ENG TT: 145
HOBS: 145

Engine Entries

CHANGED OIL AND FILTER. TOOK A.O.A SAMPLE. FILLED WITH 8 QT AEROSHELL 15-50. LEAK CHECKED GOOD. CUT OPEN FILTER NOTHING ABNORMAL FOUND. GROUND RAN AIRCRAFT. NO LEAKS NOTICED AT THIS TIME...PERFORMED SID 97-3C AND HAD TO ADJUST THE LOW END UNMETERED FUEL PRESSURE FROM 6.9 TO 10.0 OPS CHECK GOOD...CHECKED ALL SPARK PLUG LEADS FOR DAMAGE, NO DAMAGE NOTED.

This aircraft and/or component was repaired 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.

DATE: 10/19/2005

SIGNED:

Larry Davis
Certified Repair Station No. X6DR662I

Work Order: 10123

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ENGINE MODEL: IO550N27
ENGINE S/N: 913911
REG. NO: N224SJ
WORK ORDER: 9911092



APR Aviation, Inc.
Repair Station No. X6DR662I
120 Olmsted Way
Fresno, CA 93940
Phone: (831) 373-1511

DATE: 10/9/2006
A/C TSN: 184.6
ENG TT: 184.6
HOBS: 184.6

Engine Entries

CHANGED ENGINE OIL WITH 8 QUARTS OF AEROSHELL 15-50. REPLACED OIL FILTER WITH NEW, CUT OPEN OLD FILTER AND INSPECTED FOR METAL NONE NOTICED. TOOK A AOA SAMPLE.

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

DATE: 10/9/2006

SIGNED:

Larry Davis
Certified Repair Station No. X6DR662I

Work Order: 9911092

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Date 6/5/2007

W/O# 7777



Engine Logbook Entry AIRCRAFT: N 224SJ

CRS AWKR298C

S/N 0705

Watts Woodland Airport, Woodland, CA 95695



Tach Time 184.6

Eng TSN 184.6

TTAF 184.6

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: Douglas E. Barton

Douglas E. Barton

ENGINE MODEL:
ENGINE S/N:
REG. NO: N224SJ
WORK ORDER: 321

Monterey Bay Aviation

130 Olmsted Way
Monterey, CA 93940
Phone: 831-373-3201

DATE: 11/13/2007
A/C TSN: 220.5
ENG TT:
HOBS: 202.5

Engine Entries

PERFORMED AN ANUAL INSPECTION I/A/W THE SCOPE AND DETAIL OF FAR43 APPENDIX D AND CIRRUS SR22 ACMM SEC 5-20-00. COMPRESSION #1) 74/80, #2) 76/80, #3) 73/80, #4) 72/80, #5) 75/80, #6) 74/80. INSPECTED FUEL INLET SCREEN FOR DEBRIS NONE NOTED. CLEANED, GAPPED, AND TESTED PLUGS.... C/W TCM SID97-3C FUEL INJECTION SYSTEM FUNCTION TEST, NO DEFECTS NOTED.

I certify this engine has been inspected in accordance with an annual inspection and determine to be in an airworthy condition.

DATE: 11/13/2007

SIGNED:

Samuel W Taflinger, IA: 308588017

Work Order: 321

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Trade Winds Aviation 2505 Cunningham Ave San Jose CA

N224SJ Date: 02 February 2009 ETT 0228.8
Continental IO-550-N, s/n 913911 Hobbs 0228.8

Service and Maintenance Record

Sections, Airworthiness Directives, Special Inspections,
Service Bulletins

Accomplish Annual Inspection Ref: Cirrus Design MM
5-20, service/ maintenance as follows, drained and
refilled engine oil, with AeroShell 15W-50, engine Oil
Filter CH48108-1 replaced and inspected no visible
trace of metal found. AOA sample submitted to lab,
Compression Test: M-49 1)73/80 2)73/80 3)73/80
4)72/80 5) 71/80 6) 71/80, cleaned all fuel injection
nozzles, replaced o-rings p/n 630979, rubber washer p/n
640612, copper washer p/n X1473, inspected/serviced
adjusted idle mixture & speed (ref: SID 97-3E),
L&R/Magneto (ref: MM/6.2.1) set ignition timing to 22

degree BTDC, replaced intake tube/flange cyl. #1, # 2, #3,
gaskets p/n 649950, removed & reinstalled oil cooler for OH
p/n 654585 s/n G03-2147-397,

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

Hugo J. da Silva A&P/IA 548762425

Forced Aeromotive Technologies, Inc

7161 S. Peoria 18E, Englewood, Co 80112

Date: 2-16-09	Make: TCM	Model: IO-550-N	Reg: N 224SJ
Tach:	Hobbs: 236.0	TT ENG: 236.0	S/N: 913911

Installed STC # SE10926SC I/A/W FAT installation instructions document EI-SR-22, Rev A, dated
04/04/2008. (see 337 for more detail). Weight and balance has been amended and inserted in the Aircraft
Flight Manual. END.

Ret. Work AIR 574781561

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N244JS Continental IO-550-N(27) S/N: 913911

24 February 2009 Hobbs: 0237.0 Engine Total Time: 0237.0

Removed #1 alternator, P/N: 646843, S/N: 005FA156. Installed overhauled / exchange unit, S/N:
005EA117. Installed original drive hub on exchange alternator and installed unit using new gasket.
Removed MCU cover to gain access to Field Control Modules (FCM). Installed new FCM, #1 P/N: 14605-
001. #2 P/N: 14605-010. Ground run operational check of electrical charging system and alternator leak
check satisfactory.

L. John Wells A&P3221132

w/o 27620

Trade Winds Aviation 2505 Cunningham Ave San Jose CA

N224SJ Date: 02 February 2009

ETT 0228.8

Continental IO-550-N, s/n 913911

Hobbs 0228.8

Accomplish Annual Inspection Ref: Cirrus Design MM

5-20, service/ maintenance as follows, drained and refilled engine oil, with AeroShell 15W-50, engine Oil Filter CH48108-1 replaced and inspected no visible trace of metal found. AOA sample submitted to lab, Compression Test: M-49 1)73/80 2)73/80 3)73/80 4)72/80 5) 71/80 6) 71/80, cleaned all fuel injection nozzles, replaced o-rings p/n 630979, rubber washer p/n 640612, copper washer p/n X1473, inspected/serviced adjusted idle mixture & speed (ref: SID 97-3E), L&R/Magneto (ref: MM/6.2.1) set ignition timing to 22

degree BTDC, replaced intake tube/flange cyl. #1, # 2, #3, gaskets p/n 649950, removed & reinstalled oil cooler for OH p/n 654585 s/n G03-2147-397,

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

H. da Silva

Hugo J. da Silva A&P/IA 548762425

Service and Maintenance Record

Sections, Airworthiness Directives, Special Inspections, and Service Bulletins

Forced Aeromotive Technologies, Inc

7161 S. Peoria 18E, Englewood, Co 80112

Date: 2-16-09	Make: TCM	Model: IO-550-N	Reg: N224SJ
Tach:	Hobbs: 236.0	TT ENG: 236.0	S/N: 913911

Installed STC # SE10926SC I/A/W FAT installation instructions document EI-SR-22, Rev. A, dated 04/04/2008. (see 337 for more detail). Weight and balance has been amended and inserted in the Aircraft Flight Manual. END.

12760 EAST CO
N244JS
24 February 2009
Removed #1 alternator
005EA117. Installed
Removed MCU cover
001. #2 P/N: 14605-0
check satisfactory.

H. da Silva

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA# 49661	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 E. Apache Tulsa, OK 74115		Phone: 1-877-833-6948 918-835-6948		Fax: 918-835-2804		5. Work Order/Invoice Number INV # 67389	
6. Item	7. Description	8. Part Number	9. Eligibility*	10. QTY	11. Serial/Batch Number	12. Status/Work	
	Alternator	6046843	(VARIOUS)	1	005EA117	Overhaul (exchange)	
13. Remarks: The work identified in Block 12 and described in Block 13 except as otherwise specified was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA acceptance Certificate number EASA 145.5982 See Attached Work Order Summary for details. (2) pages (MECH: CL)							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13			19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.				
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature:		21. Approval/Certificate No.:	
				<i>Justin R. Hicks</i>		QYIR334Y	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):	
				Justin R. Hicks		07/15/08	

FAA Form 8130-3 (11-06) *Installer must cross check eligibility with applicable technical data.

Date: N 224SJ TACH 251 DATE 06/25/09

Service and Maintenance Record

Inspections, Airworthiness Directives, Special Inspections,
 and Service Bulletins

REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED,
 SERVICED WITH AERO SHELL 15W50, DEGREASED ENGINE, RUN UP LEAK CHECK COMPLETED,
 REINSTALLED COWLING

Chris Palage
 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
 WORK ORDER 00152

N 224SJ TACH 277.5 DATE 03/19/2010

COMPLETED ANNUAL INSPECTION IAW CIRRUS DESIGN MAINTENANCE MANUAL 05-20 MODEL
 SR22 DATED APRIL 15, 2007, COMPRESSION CHECKED CYLINDER #1- 74/80 #2- 72/80 #3- 74/80
 #4- 72/80 #5- 76/80 #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

C/W SB SR22-10-01-001 DATED 1/3/2010 SUPERCHARGER DRIVE SHAFT BY REPLACEMENT

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

Chris Palage
 CHRIS W. PALAGE
 7TLR012B

Trade Winds Aviation 2505 Cunningham Ave San Jose CA

November 24, 2010 292.5 Hobbs N224SJ

Engine Log

1. Changed oil using Phillips 20W50 X/C.
2. Inspected filter element for contamination.
3. Ran engine to verify no leaks.

Thomas Nicholson A&P 2522802

ENGINE MODEL: IO550N **TDL Aero Enterprises**
 ENGINE S/N: REG. NO: N224SJ Repair Station No. 7TLR012B
 WORK ORDER: 00000504 44 MACREADY DRIVE
 Merced, CA 95340
 Phone: 209-722-7300

DATE: 4/12/2011
 A/C TSN: 308.5
 ENG TT: 308.5
 TACH: 308.5

Engine Entries

REMOVE COWLINGS INSPECTED ENGINE CHANGED OIL, OIL FILTER CHANGED, OIL SAMPLE,
 COMPRESSION CHECKED 1-65/80, #2- 64/80, #3- 65/80, #4- 66/80, #5- 68/80 AND #6- 68/80, SPARK
 PLUGS CLEANED & GAPPED, AS REQUIRED TIMING CHECKED, COMPLETED ENGINE FUEL SYSTEM
 CHECK WASHED DOWN ENGINE AND RUN-UP LEAK CHECK PERFORMED... STOP DRILL CRACK IN
 LEFT HAND BAFFLING AROUND SLAVE GATE... REMOVE AND REPLACE #1 EGT AND CLAMP...
 LOOSEN AND RETIGHTEN CLAMPS ON UPPER DECK FUEL NOZZLE VENT TUBES REMOVE AND
 REPLACE RUBBER TUBING AS REQUIRED... ADJUSTED FUEL FLOW TO WITHIN SPECS... CLEANED
 AND TIGHTEN FUEL LINE FROM ELECTRIC FUEL PUMP TO FUEL SCREEN

Maintenance Release


The aircraft and/or component(s) on N224SJ was repaired and inspected in accordance with current FARs rules of the Federal
 Aviation Regulations and was found Airworthy for return to service.

DATE: 4/12/2011 SIGNED *Chris Palage* Work Order: 00000504
 Chris Palage Printed by EBis 3 (datcomedia.com)
 Certified Repair Station No. 7TLR012B

Trade Winds Aviation 2505 Cunningham Ave San Jose CA
 September 19, 2011 N224SJ 329 Hobbs
 Engine Log Entry
 1. Changed oil and filter. Ran engine to verify new filter
 does not leak. Took sample for analysis.
 Thomas Nicholson A&P 2522802

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.	

Date **11/11/2011**
 W/O# **11767**


Engine Logbook Entry AIRCRAFT: **N 224SJ**
CRS AWKR298C S/N **0705**
 25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs	329.9	COMPLETED AN ANNUAL INSPECTION PER FAR 43 APPENDIX "D". ALL WORK DONE IN ACCORDANCE WITH APPLICABLE MANUALS. CHANGED FILTER, CUT AND INSPECT FILTER, NO METAL FOUND. COMPRESSION CHECK: #1- 71/80, #2- 74/80, #3- 72/80, #4- 74/80, #5- 74/80, #6- 73/80. MO = 43
Eng TSN	329.9	
Eng TSO	NA	

I CERTIFY THAT THIS AIRCRAFT/ENGINE/PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN UNAIRWORTHY CONDITION. A LIST OF UNAIRWORTHY DISCREPANCIES HAS BEEN PROVIDED TO THE OWNER PER FAR 43.11 (b).
 DAMON SCHMIDT *Damon Schmidt*

ENGINE MODEL: **IO-550-N** **TDL Aero Enterprises** DATE: 11/18/2011
 ENGINE S/N: 913911 Repair Station No. 7TLR012B A/C TSN: 330.5
 REG. NO: N224SJ 44 MACREADY DRIVE ENG TT: 330.5
 WORK ORDER: 00000701 Merced, CA 95340 HOBBS: 330.5
 Phone: 209-722-7300

Engine Entries

The following are inclusive of the all listed items delivered to the customer which were considered to be unairworthy at the time of the annual inspection of 11/11/2011 with the aircraft logbook entry CRS AWKR298C completed by Woodland Aviation according to the list given to the owner by Damon Schmidt on 11/10/2011 in accordance with FAR §43.11(b).... Adjusted engine idle mixture.... Removed and replaced engine oil dip stick.... Removed and replaced oil filter adapter fastener safety wire.... Cleaned oil on top of supercharger assembly at aft housing parting line, ran aircraft for a while, leak checks good with no leaks detected.... Removed and replaced supercharger induction tube directly in front of turbine housing.

Maintenance Release

The aircraft and/or component(s) on N224SJ was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 11/18/2011 SIGNED: *Shawn Fogle* Work Order: 00000701
 Shawn Fogle Printed by EBis 3 (datcomedia.com)
 Certified Repair Station No. 7TLR012B

ENGINE MODEL: **IO-550-N** **TDL Aero Enterprises** DATE: 3/16/2012
 ENGINE S/N: 913911 Repair Station No. 7TLR012B A/C TSN: 340.1
 REG. NO: N224SJ 44 MACREADY DRIVE ENG TT: 340.1
 WORK ORDER: 00000776 Merced, CA 95340 HOBBS: 340.1
 Phone: 209-722-7300

Engine Entries

C/W Maintenance Bulletin SR22-7-2-001 Belt Tensioner Replacement,... Replaced SC drive and replaced with new, Part provided by forced air motive,... Drained oil, serviced engine 8 quarts aero shell 15W50, Performed run up leak check, no leaks noted at this time, reinstalled cowlings

Maintenance Release

The aircraft and/or component(s) on N224SJ was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.


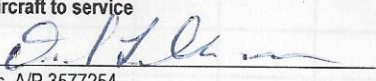
DATE: 3/16/2012 SIGNED: *Chris Palage* Work Order: 00000776
 Chris Palage Printed by EBis 3 (datcomedia.com)
 Certified Repair Station No. 7TLR012B

Aircraft: N224SJ Hobbs: 345.3 AFTT: 345.3 Date: 4/20/2012
Model: TCM IO-550-N S/N: 913911

Engine Entry

Removed oil filter, cut open and inspected. No defects noted at this time. Installed new Champion CH48109-1 oil filter. Added 1 quart oil to sump. Ground ran engine, no leaks or defects noted. All work completed in accordance with Cirrus SR-22 Maintenance Manual.-END
The above listed Engine is approved for return to service for only the work listed above.
Mike Wyant A&P 2842700

Mike Wyant

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record		Special Inspections,
Registration	N224SJ		Date	08/23/12	
Make	Cirrus		Tach Time	359.2	
Model	SR22		Work Order	21210	
 Sierra Mountain Aviation, Inc. 13308 Nevada City Ave, Grass Valley, CA 95945 ENGINE					
Removed and reinstalled engine after prop strike, engine inspection complied with by Tim's aircraft Engines under W/O 7879 and 7879-01 Serviced with 10 QTS Phillips 20W-50 Type M oil Run up and leak check good Returned aircraft to service					
Signature:  Daniel Grass A/P 3577254 Sierra Mountain Aviation, Inc. 530.273.5273					

MAKE: Continental
 MODEL: IO-550-N
 SERIAL # 913911

N # N224SJ
 T.T. 359.2

The engine identified above was disassembled, cleaned, inspected, repaired and assembled for a Prop Strike Inspection. Machined starter shaft gear and worm wheel M.015 and installed new M.015 spring. All work performed with reference to Teledyne Continental Motors Overhaul Manual X30568A and Parts Manual IPC550N. AD research completed. See parts list below. CSB96-10 C/W by ultrasonic inspection. All pertinent details are on file at this facility under Inv. 7879. Engine was test ran in engine test cell. END.-----

DATE : August 14, 2012

Tim's Aircraft Engines Inc.
 6105 Obispo Ave.
 Long Beach, Ca. 90805
 Ph. (562) 634-6120 Fax 634-6129

SIGNED 
 FAA REPAIR STATION T22R537Y

TIM'S AIRCRAFT ENGINES INC. FAA REPAIR STATION T22R537Y

8-14-12			INV. 7879			IO-550-N			S/N 913911		
QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
8	350998	BUSHING	1	653490	STUD						
24	501868	TAB	12	654490	NUT						
24	537750	BOLT	4	654587-.44	BOLT						
16	629104	RING	2	655269	BUSHING						
1	630899	BEARING	12	655958	BOLT						
1	630979-24	O-RING	6	656990	SCREW						
12	630979-9	O-RING	6	AN315-5R	NUT						
16	639193	BUSHING	8	AS3578-016	O-RING						
6	641066	O-RING	1	CH48109-1	FILTER						
1	641250	SEAL	1	EQ7191	GASKET SET						
4	641909	PLATE	1	MS9970-116	O-RING						
12	642398	BEARING	1	MS9970-117	O-RING						
2	643626-103	PIN	8	NAS1805-4	NUT						
2	643626-104	PIN	6	X1473	WASHER						
4	643626-105	PIN	6	630046	PIN						
16	643629	PLATE	1	654656M015	SPRING						
1	646592A2	BEARING SET	1	654710-S	ADAPTER						
4	649205	BOLT	1	AEC641742	GEAR						

Registration N224SJ
Make Cirrus
Model SR22
Serial # 0705

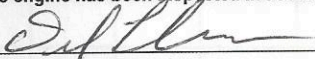


Sierra Mountain Aviation, Inc.
13308 Nevada City Ave, Grass Valley, CA 95945
Engine

Date 09/21/2012
Engine T/T 359.8
SMOH N/A
Tach Time 359.8
Work Order 21252

Brou


Performed a Annual/100 HR inspection service per SMA checklist
Performed a compression test, #1 73/80, #2 73/80, #3 72/80, #4 74/80 #5 70/80 #6 74/80
Removed, cleaned, inspected, gapped and rotated sparkplugs
AD #2012-10-13 To prevent starter adapter gear shaft failure
Complied with at IRAN
AD #2012-03-06 To prevent in-flight shutdown due to failed fuel servo diaphragm
N/A - AVStar diaphragm not installed
I certify this engine has been inspected in accordance with an Annual/100 HR inspection and was determined to be in airworthy condition

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



N224SJ
1/16/2013
TACH TIME: 372.6

Installed Reef pre heater to oil pan and cyl.s. Installed new RHB32S spark plugs, Remove and replace oil filter with new CH48109 filter. Dynamic balance propeller using ACER balancing unit, The aircraft and/or component identified above was repaired and inspected in accordance with the current FAR's and was found to be airworthy with respect to work performed and was returned to service.


Signed Kenneth L. Harris IA3379187 Date 1-16-13



N224SJ
1/16/2013
TACH TIME: 372.6

Changed oil and filter, added 8 qts of Aeroshell 15W50 and new CH48109 filter. Opened old filter no metal found. Engine washed and test run, no leaks noted. The aircraft and/or component identified above was repaired and inspected in accordance with the current FAR's and was found to be airworthy with respect to work performed and was returned to service.


Signed Kenneth L. Harris IA3379187 Date 1-16-13

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 Light Forward →

Mountain Air Aviation

11750 Airport Way Hangar B12C Broomfield, CO 80021
(303) 469-1380

Engine Log Entry

N224SJ 7, 25, 2013 Hobbs: 523.1 Total Time: 541.1

Completed 100hr inspection in accordance with FAR 43 App D. Changed oil and filter serviced sump with 8qts of Aeroshell 15W50. Comp check #1 72/80 #2 70/80 #3 75/80 #4 70/80 #5 75/80 #6 75/80. Cleaned spark plugs. Switched #2 and #3 fuel inj nozzle. Run up satisfactory.-----END-----

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

Name Jay T Beron
Number JA3333224

11-27-2013					
N224SJ					
HOBBS 568.0					Replaced oil filter with P/N CH48108-1, Changed oil with 7 quarts of Aeroshell 15 w50.
					AIP 2885079
					CHARLES J BENINATI
					<i>[Signature]</i>