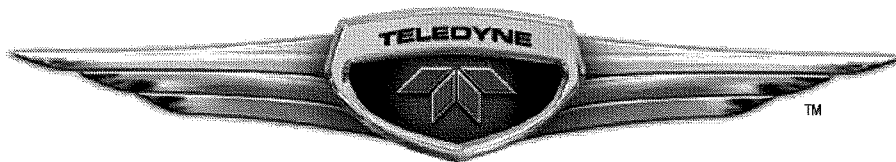


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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




Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Production Certificate 508

Printed: 06/04/2009

Test Date: 06/03/2009

This engine model I0550N60B, serial number 1000450 was manufactured 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.

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.	
2/14/10	5	.4			<p>THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC</p> <p>CDC  on <u>JAN 14 2010</u> Cirrus Design Corporation Duluth, MN USA PC# 338CE</p>

Date
Total Time
Time Since Last Overhaul

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections,

Brou
ENGINE MODEL:
ENGINE S/N:
REG. NO: 244CK
WORK ORDER: 4443

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 2/11/2010
A/C TSN: 22.7
ENG TT:
HOBBS: 22.7

Engine Entries

- 2 100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using Aero Shell 100 W50 . The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: 1) 70 2) 73 3) 72 4) 74 5) 68 6) 75
- 3 TCM 100 Hour - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.
- 4 TCM 100 Hour - C/W SB 03-3 Differential Pressure test and bore scope inspection procedures for cylinders. Note: #5 exhaust valve has slight leakage and squeaks. Suspect tight clearance between valve and guide.
- 5 TCM 100 Hour - C/W SB 08-13 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation.
- 6 TCM 100 Hour - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.
- 7 TCM - Engine C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 2/11/2010

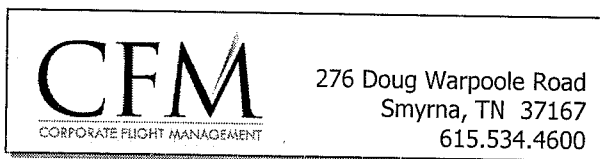
SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4443

Printed by EBis 3 (datcomedia.com)

MODEL: SR22
S/N: 3469
REG. No: N244CK



DATE: 4-09-2010
HOBBS: 73.0
TAT: 57.2

Engine

Maintenance Accomplished:

-Performed Oil Change IAW AMM 12-00. Drained oil and removed oil filter, cut open filter, no metal particles found. Serviced With Aeroshell 15W50 and filter AA48108-2. Run up performed, no leaks noted at this time.

The engine identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 18731.

Signed:

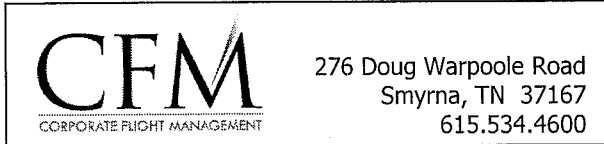
For: **Corporate Flight Management, Inc.**

Certified Repair Station

FJTR920D

Form CFM 007

MODEL: SR22
S/N: 3469
REG. No: N244CK



DATE: 5-25-2010
HOBBS: 118.7
TACH: 95.6

Engine S/N 1000450

Inspection:

- Complied with 100hr Interval Inspection, IAW AMM 5-00.
- Complied with cylinder compression check #1) 74/80, #2) 70/80, #3) 69/80, #4) 69/80, #5) 52/80, #6) 71/80

AD's:

-AD's researched through 5-25-2010, none are due at this time.

Maintenance Accomplished:

-Performed Oil Changed, IAW AMM 12-00. Drained oil and removed oil filter, cut open filter, no metal particles found. Serviced With 8 quarts of Phillips 20W50 and oil filter AA 48108-2. Run up performed, no leaks noted at this time.

The engine identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 18829.

Signed:

For: **Corporate Flight Management, Inc.**

Certified Repair Station

FJTR920D

Form CFM 007

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

ENGINE MODEL: IO550N60B
ENGINE S/N: 1000450
REG. NO: 244CK
WORK ORDER: 13699-07-2010



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3438

DATE: 7/8/2010
A/C TSN: 123.5
ENG TT: 123.5
FLIGHTTIME: 123.5

Engine Entries

(3) Accomplished the following Tornado Alley Turbo Service Instructions and Service Bulletins: SI09-08 Crankcase Breather, SB09-01 Manifold Inspection, SB10-01 Tail-Pipe Bracket Inspection, SB10-02 Alternate-Air Door Inspection. 50-Hr Recurring Inspections will be due again at 173.5 FLIGHT Hours. Airworthiness Directive 2010-11-04 TCM Hydraulic Lifters (Supersedes AD 2009-24-52), is Not Applicable to this Engine S/N 1000450 per Effectivity Table Section A of TCM MSB09-08A... (6) (FLT TIME: 123.5 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of AeroShell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 7/8/2010

SIGNED: *[Signature]*

Work Order: 13699-07-2010

Peterson, Daniel J
Certified Repair Station No. YD5R855Y

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 1000450
REG. NO: NSPV
WORK ORDER: 112861

Clear Star Aviation

Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, Texas 75001
Phone: 972-267-2376

DATE: 10/7/2010
A/C TSN: 168.9
ENG TT: 168.9
FLIGHTTIME: 168.9

Engine Entries

The oil and filter was changed and serviced with 8 quarts of AeroShell 100 mineral and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories. Complied with TAT SB 08-01. Complied with TAT SB 09-01. Complied with TAT SB 10-02, installed new L/H and R/H tailpipe support brackets. The cylinder compression was checked with the following results: #1, 73/80 #2, 74/80 #3, 74/80 #4, 73/80 #5, 30/80 #6, 72/80 psi. Master orifice 46/80. Reinstalled #5 cylinder S/N ACO9BA230 after overhaul performed by Powermasters Aircraft Engines, see work order 3245 dated 10/04/2010. Torqued all rocker cover screws. Installed new oil cooler P/N 654585 S/N A10-8564-30. Installed new R/H waste gate support bracket.

Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 10/7/2010

SIGNED: *[Signature]*

Work Order: 112861

Daw, Isaiah
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
ENGINE S/N: 1000450
REG. NO: NSPV
WORK ORDER: 112937

Clear Star Aviation

Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, Texas 75001
Phone: 972-267-2376

DATE: 10/29/2010
A/C TSN: 184.2
ENG TT: 184.2
FLIGHTTIME: 184.2

Engine Entries

The oil and filter was changed and serviced with 8 quarts of AeroShell 15W50 and a new CH48108-1 filter. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix, AZ.

Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 10/29/2010

SIGNED: *[Signature]*

Work Order: 112937

Daw, Isaiah
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 1000450
REG. NO: NSPV
WORK ORDER: 113035



Clear Star Aviation

Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, Texas 75001
Phone: 972-267-2376

DATE: 12/16/2010
A/C TSN: 193.8
ENG TT: 193.8
FLIGHTTIME: 193.8

Engine Entries

Installed new starter drive adapter assembly.

Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 12/16/2010

SIGNED: *[Signature]*

Work Order: 113035

Hoskins, Josh
Certified Repair Station No. 5CSR009B

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.	



FAA CRS CPR831D
7777 NE Airport Way
Portland, OR 97218

ENGINE LOG ENTRY

DATE: 03/09/2011. HM: 210.4. N5PV. Cirrus SR-22. S/N: 3469. ENGINE: TCM IO-550-N60B. S/N:1000450.

Complied with the following inspections:

- (1.0)Annual inspection IAW FAR 43 appendix D and Cirrus SR20 Inspection Guide
- Performed boroscope inspection of cylinders. No defects noted.
- Performed differential compression check: 1) 80/68, 2) 80/72, 3) 80/72, 4) 80/68, 5) 80/78, 6)80/72 Master 80/43

Complied with the following Airworthiness Directives and Service Bulletins:

- Researched Airworthiness Directives through BIWEEKLY 2011-05. None applicable at this time.
- (10.0)C/W TAT SI08-01. Inspection of crankcase breather. Next due at 264.4 hours T.T.
- (11.0)C/W TAT SB09-01. Inspection of exhaust manifold and turbo mount flange for cracks. No Defects noted.
- (12.0)C/W TAT SB10-01, Alternate air door hinge pin inspection. No defects noted. Next due 03/03/2012.
- (37.0) C/W TAT SB 10-02. Tail Pipe Bracket. New style brackets found installed. No cracks or defects noted. Next Due 260.4 Hours T.T.

Following repairs accomplished:

- (17) Drained oil and serviced with 8 quarts of Aeroshell W-100. Removed and inspected oil filter. No abnormal debris found. Installed new oil filter P/N CH48108 I/A/W SR22 AMM.
 - (1.0) Removed spark plugs, inspected, serviced, tested, rotated and reinstalled I/A/W SR22MM Ch 5-20.
 - (19.0) Adjusted Magneto timing to 21.5 degrees left and right. I/A/W TAT MM 22-6460004
 - (21.0) Rivet missing on R/H Center Baffle – new rivet installed. I/A/W AC43.131B. Section 4.
 - (22.0) Tightened loose clamps on L/H and R/H exhaust heat shields I/A/W TAT G2/G3 Instructions.
 - (23.0) turbo heat shield to stop chafing on oil return check valve I/A/W TAT G2/G3 Instructions.
- Engine runs carried out – no leaks noted. I/A/W FAR 43 Appendix D and Cirrus SR22 Inspection Guide.

Pertinent details of the work described above are on file at this agency under W.O.#13833C. I certify that this engine has been inspected in accordance with an annual inspection, as per part 43 appendix D and was determined to be in an airworthy condition. This engine was repaired and inspected in accordance with current federal aviation regulations and is determined to be Airworthy with respect to the work performed. Aircraft approved for return to service this date. END. Flightcraft Portland CRS# FCPR831D

Signature: *Mike Searle* Date 03/09/2011

Mike Searle

N5PV	Flight Hobbs 253.1
July 28, 2011	
<ol style="list-style-type: none"> 1. Changed the oil and filter (CH48108-1). Visual inspection of the used oil filter element revealed no unusual contamination. Safetied the new oil filter. Serviced the engine with 6 quarts of Aeroshell W100 oil and 9.6 ounces "Camguard". Washed and dried the engine and installation. No leaks were noted during the post maintenance runup. 2. Complied with TAT S.B. #09-01 (Exhaust manifold cracking). No discrepancies were noted. Next due Flight Hobbs 303.1. 3. Complied with TAT S.I. #08-01 (crankcase breather). Cleared the breather opening of normal oil buildup. Next due Flight Hobbs 303.1. (CAC \$909.05) 4. Complied with TAT S.I. #11-01 (exhaust slip joint). No discrepancies were noted. Next due Flight Hobbs 303.1. 5. Complied with TAT S.I. #11-02 (fuel pump oring). No discrepancies were noted. Next due Flight Hobbs 303.1. 	
All work was performed by Auburn Flight Service, an Authorized Cirrus Aircraft Service Center under Work Order #8292.	
Gregory F. Woodruff A&P 553697406	

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 →					

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



Log Entry Type: Engine Reg#: N5PV Model: TCM IO-550-N S/N: 1000450
Hobbs/HM: 327.3/256.8

Following repairs accomplished:

Sqk Work Performed

1.0 Inspected #5 and #6 spark plugs, found both #6 plugs cracked. Performed borescope inspection of #6 cylinder, no defects noted. Replaced both spark plugs in #6 cylinder with new P/N RHB32S and new gaskets. Run up normal.

This certifies that only work requested by the customer under W.O.#: 14270C 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.

Flightcraft Portland CRS# FCPR831D: Jay Smith Date: 08-01-2011
Jay Smith 5114




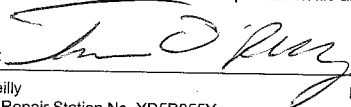




FAA CRS FCPR831D
7777 NE Airport Way
Portland, OR 97218

DATE: 8/31/2011 Tach/HM: 364.6/287.2 N5PV S/N 3469

- Cleaned and lubed waste gates. Removed Manifold Pressure Sensor P/N 12635-001, S/N F0809 and installed a new Manifold Pressure Sensor P/N 12635-001, S/N F0911. Ran Engine. Operational check OK.

This certifies that only work requested by the customer under W.O.#: 14351C 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.

Flightcraft Portland CRS# FCPR831D Daniel Rice Daniel Rice

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	ENGINE MODEL: IO-550-N(60B) ENGINE S/N: 100450 REG. NO: 5PV WORK ORDER: 14480-09-2011  Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4514 Taylor Circle Duluth, MN 55811 Phone: 218-788-3438 DATE: 10/3/2011 A/C TSN: 306.7 ENG TT: 306.7 HOBBS: 389.9				
	Engine Entries (7) 12-10 Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10. (18) Performed 50 Hour Inspection items IAW TATI ICA 22-6460004 Rev. A. (22) Adjusted mixture to achieve a rise of 50 RPM IAW TCM SID 97-3E. (24) Inspected waste gate system, replaced clevis pin on slave waste gate. No other defects found. Operational check good. Ref. TATI report 22-6460007. (37) C/W TAT S108-01, Rev A by inspecting and cleaning the Crankcase Breather Discharge Tube IAW Service Instructions.				
	I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.				
	DATE: 10/3/2011	SIGNED: 		Work Order: 14480-09-2011	
		Tim O'Reilly Certified Repair Station No. YD5R855Y		Printed by EBis 3 (datcomedia.com)	
	ENGINE MODEL: IO-550-N(60B) ENGINE S/N: 100450 REG. NO: 5PV WORK ORDER: 14538-11-2011  Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4514 Taylor Circle Duluth, MN 55811 Phone: 218-788-3438 DATE: 11/16/2011 A/C TSN: 361.2 ENG TT: 361.2 HOBBS: 455.8				
	Engine Entries (2) (FLT METER: 361.2 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.				
	I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.				
	DATE: 11/16/2011	SIGNED: 		Work Order: 14538-11-2011	
		Peterson, Daniel J Certified Repair Station No. YD5R855Y		Printed by EBis 3 (datcomedia.com)	
	ENGINE MODEL: IO-550-N(60B) ENGINE S/N: 1000450 REG. NO: 5PV WORK ORDER: 14554-11-2011  Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4514 Taylor Circle Duluth, MN 55811 Phone: 218-788-3438 DATE: 11/23/2011 A/C TSN: 367 ENG TT: 367 HOBBS: 462				
	Engine Entries (18) (Flight Meter 367.0) Complied with TATI 50 hour interval Maintenance and Inspection Checks Refer to TATI ICA 22-6460004 Rev. A (22) Removed and replaced the left and right turbo charger oil inlet adaptor gaskets P/N 652100 IAW TATI Instructions for Continued Airworthiness 22-6460004. (23) Complied with TAT S108-01, cleaned oil breather discharge tube at L/H exhaust IAW TAT service information instructions, inspection due again at 417 hrs. flight meter or next oil change. (24) Complied with Tornado Alley TAT SB09-01 inspect for cracks around turbo mount flanges, no defects found at this time, next inspection due at next oil change or 417 flight hrs. (25) Removed and Replaced Spark Plugs with new, Champion RHB32E, IAW CDC SR22 AMM 74-20, TATI ICA 22-6460004, Rev.A. and TATI SB11-05.				
	I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.				
	DATE: 11/23/2011	SIGNED: 		Work Order: 14554-11-2011	
		Peterson, Daniel J Certified Repair Station No. YD5R855Y		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.	
Brought Forward →					

ENGINE MODEL: IO-550-N
(60B)
ENGINE S/N: 1000450
REG. NO: 5PV
WORK ORDER:
14557-11-2011



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 11/29/2011
A/C TSN: 371.1
ENG TT: 371.1
HOBSBS: 467.5

Engine Entries

(2) Removed and Replaced Manifold-Pressure Sensor with New P/N 12635-001 IAW CDC SR22 AMM 77-10. Operational Check Good.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 11/29/2011

SIGNED:

Work Order: 14557-11-2011

Joseph Sullivan
Certified Repair Station No. YD5R855Y

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(60B)
ENGINE S/N: 1000450
REG. NO: 5PV
WORK ORDER:
14695-03-2012



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 4/3/2012
A/C TSN: 422
ENG TT: 422
HOBSBS: 525.1

Engine Entries

- (4) Performed engine Annual/100 hr. Inspection IAW AMM ch. 5-20. Researched airworthiness directives through bi-weekly issue 2012-06 all AD's and mandatory service bulletins are in compliance at this time.
- (10) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001 Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.
- (11) Lubricated as required in accordance with CDC AMM 12-20, Lubrication Schedule.
- (13) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 74/80, #2 70/80, #3 68/80, #4 70/80, #5 76/80, #6 71/80, master orifice reading of 46, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3.
- (17) Removed and cleaned fuel injection nozzles in accordance with the manufacturer's approved Instructions For Continued Airworthiness, and TCM Overhaul Manual.
- (47) Complied with Functional Inspection of Fuel Injection System in accordance with TCM Service Information Directive 97-3E.
- (64) Adjusted wastegate bias IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A, operational check good.
- (66) Removed LH and RH magnetos p/n 10-500556-101, s/n's off LH D09DA035, RH D09DA141, Installed serviceable magnetos, s/n's on LH D10GA063, RH D10GA141 for 500 hr. Inspection, work done IAW TCM IO-0550 Maintenance Manual X30834A and Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A.
- (67) Replaced Turbo V band clamps IAW Cirrus 22-6460004 Continued Airworthiness Rev. A Overhaul And Replacement Schedule.
- (68) Removed and replaced magneto pressurization filter p/n 1396-2 IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A Overhaul And Replacement Schedule.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 4/3/2012

SIGNED:

Work Order: 14695-03-2012

Dave Ruuskanen
Certified Repair Station No. YD5R855Y

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N(60B)
ENGINE S/N: 1000450
REG. NO: 5PV
WORK ORDER:
14759-05-2012

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 5/24/2012
A/C TSN: 478.5
ENG TT: 478.5
HOBSBS: 587.3

Engine Entries

- (18) Removed and replaced #2 cylinder with new, p/n on 655465-A5, s/n on AC08IA422 IAW TCM overhaul manual X30568A, operational and leak check good.
- (20) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Phillips 20W-50 engine mineral oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. CDC AMM 12-10.
- (21) Performed TCM service bulletin M89-7 Engine Operation after cylinder replacement and/or major overhaul, for replacement of #2 cylinder IAW TCM service bulletin instructions.
- (22) Retorqued LH exhaust header after engine run up IAW AMM ch. 78-10 and Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. C
- (23) Adjusted wastegate cable and completed ground functional check IAW TAT installation instructions Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. C and completed ground run leak check satisfactory.
- (29) Complied with Tornado Alley ICA for continued airworthiness IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. C Time Limits and Maintenance checks.
- (30) Complied with Tornado Alley Service instructions - TAT S108-01 crankcase oil breather tube inspected and cleaned, due again at next oil change or 526.5 hrs. Flight meter.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 5/24/2012

SIGNED:

Work Order: 14759-05-2012

Dave Ruuskanen
Certified Repair Station No. YD5R855Y

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

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N5PV Model: TCM IO550-N60B S/N: 1000450
Flight/HM: 502.2/624.6 TTSN: 502.2

Following repairs accomplished:

- 4.1 Drained engine oil and removed filter. Opened filter and inspected for any abnormal debris, none found. Installed new filter P/N CH48108-1. Serviced engine with 8 quarts of Aeroshell W100 oil. Ran up engine, no leaks noted. Work performed I/A/W Cirrus SR22 AMM, 12-10, Rev. B3

This certifies that only work requested by the customer under W.O.#: PDX-12-424 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.

Flightcraft Portland CRS# FCPR831D: Daniel R. Rice Date: 09/13/2012

Daniel R. Rice for CRS# FCPR831D

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

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N5PV Model: TCM IO550-N60B S/N: 1000450
Flight/HM: 537.5/667.4 TTSN: 537.5

Following repairs accomplished:

- 2.7 Adjusted the #2 alternator drive belt as needed I/A/W Cirrus SR22 M.M. 24-30, Rev. B3. Performed ground run. Ops check good.
4.1 Removed the spark plugs, cleaned, inspected and re-gapped as needed. Reinstalled the spark plugs. Checked the magneto timing. Timed both R/H and L/H magnetos to 2.5 degrees BTDC. Performed ground run. Ops check good. Now defects or leaks noted. Work performed I/A/W Cirrus SR22 M.M. 74-10, Rev. B3.

This certifies that only work requested by the customer under W.O.#: PDX-12-482 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.

Flightcraft Portland CRS# FCPR831D: Daniel R. Rice Date: 11/02/2012

Daniel R. Rice for CRS# FCPR831D

Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 (541) 388-0019

N5PV Engine Model: IO550-N60B S/N: 1000450 Date: 12/27/2012
Flight Hobbs: 550.5 TTSN: 550.5 W/O: 12-44288

Drained oil and removed filter for inspection, no defects noted. Serviced engine with 8 qts. Aeroshell 15W50 oil and new CH48109-1 filter. Performed operational and leak checks, no leaks noted. Work done in accordance with Cirrus SR22 AMM, P/N 13773-001, Reissue B, dated 6/2010, Chapter 12-10.

Pertinent details of work performed are on file at this location.

Steve R. Han For FAA CRS# H6MR663L

Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 (541) 388-0019

N5PV Engine Model: IO550-N60B S/N: 1000450 Date: 5/21/2013
Tach: 584.8 TTSN: 584.8 W/O: 13-44459

Performed an Annual Inspection on this engine in accordance with Cirrus SR22 AMM, Rev. B4, dated 1/2013, Inspection Checklist. Drained oil and inspected filter for contaminants no defects noted. Serviced with 8 qts. Aeroshell 15W50 oil, Camguard oil supplement and new CH48109-1 filter. Checked compression: #1) 72/80 #2) 74/80 #3) 60/80 #4) 72/80 #5) 79/80 #6) 76/80. Complied with Tornado Alley Turbo SB 12-02 by reinstalling fuel pump, P/N ETI-SR22-2-12, S/N GP5508, after repair, see FAA 8130-3 by Tornado Alley dated 4/24/2013. Complied with Tornado Alley SI11-01 by visual inspection of exhaust slip joints, no defects noted, next due 5/2014. Complied with Tornado Alley SI11-03 by visual inspection of turbo support rods for wear, no defects noted, next due at every maintenance event that requires cowling removal. Cleaned and re-oiled air filter element. Removed, cleaned, inspected and reinstalled fuel injectors. Cleaned, gapped, tested and rotated spark plugs. Checked magneto to engine timing. Checked engine controls for condition and proper operation, lubed controls. Checked all engine components for security and condition. Performed operational and leak checks, no defects noted. Researched AD's for compliance thru bi-weekly update 2013-09.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Pertinent details of work performed are on file at this location.

Steve R. Han For FAA CRS# H6MR663L

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17

MEDFORD, OREGON 97504

(541) 770-5314 CRS: GCPRI85E

Engine Log Entry N5PV

Date: 9-16-2013

Total Time: 635.7

Hobbs Time: 635.7

Engine TT: 635.7

- 1) Compression Taken, Readings are: #1 68/80, #2 74/80, #3 62/80 #4 73/80 #5 78/80, #6 72/80. Note: minimum compression is 47/80 per master orifice
- 2) Oil analysis was taken and sent for analysis, (1ea Blackstone Oil Analysis Kit).
- 3) Installed all new valve cover gaskets, (12 ea. 1366-1) and secured.
- 4) Installed new spark plugs, (12 ea. URHB32S) and secured.
- 5) Engine ran and fuel flow setting found with-in specifications per SID97-3C; no adjustment needed at this date.
- 6) Changed oil and filter (1ea CH48109-1 Filter, 8 quarts Shell 100W Oil).
- 7) Installed new starter adapter assembly, (1 ea. 658440A 1) and secured. (Mfr date 5-22-2013)
- 8) Ran engine, systems ops and leaked checked with no problems noted

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 27695 & 27701.

Richard T. Fontes



Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order #: 22847



Hobbs: 856.7
FHM: 681.2
Total Time: 681.2
Date: 5/21/2014

S/N 1000450 ETT: 681.2

Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection report as a guide. Changed oil & filter. Took Blackstone Lab oil sample. Cut open filter & inspected. No defects noted. Installed new filter P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Checked compression: #1) 70/80 #2) 75/80 #3) 44/80 #4) 73/80 #5) 74/80 #6) 70/80. Master orifice "42" per SB03-3. Borescoped cylinders. No defects noted. AD2014-05-29 N/A, no Superior Air Parts cylinders installed. C/W TATI ICA's. No defects noted. C/W TATI SB09-01 Rev B by inspection. No defects noted. C/W TATI SB10-01 by inspection. No defects noted. C/W TATI SB10-02 Rev B by inspection. No defects noted. C/W TATI SB11-04 by inspection & cleaning. No defects noted. C/W TATI SI08-01 Rev A by cleaning & inspection. No defects noted. Washed engine. Ground run acft. Adjusted MAP and fuel flow per TATI ICA. Ops check normal & no leaks noted at this time. For further details see WO# 22847 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.



For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order #: 22981



Hobbs: 899.2
FHM: 711.8
Total Time: 711.8
Date: 12/4/2014

S/N 1000450 ETT: 711.8

C/W Savvy 50 hour service items. Changed oil & filter. Took Blackstone Labs oil sample. Cut open filter & inspected. No defects noted. Installed new filter P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. C/W TATI SI08-01 RevA, TATI SB09-01 and Cirrus SI10-01. No defects noted. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 22981 on file this station.



For: Air Care, Inc.
FAA Repair Station
AC0R030C

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 →

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23044



Hobbs: 937.6
 FHM: 742.8
 Total Time: 742.8
 Date: 3/30/2015

S/N 1000450
 C/W SAAVY 50 hour oil change/service checklist. Changed oil & filter. Took Blackstone Labs oil sample. Cut open filter & inspected. No defects noted. Installed new filter P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Cleaned, gapped, tested, & rotated spark plugs. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23044 on file this station.

Timothy J. Redgett
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

DLK AVIATION, INC.	2601 Cessna Lane NW Kennesaw, GA 30144 770-427-4954	Pg 1 / 1
	LOG ID# 16763 06-May-2015 WO# 15182	
	N5PV S/N 3469 CIRRUS SR22	
	HOBBS 753.2	

*** ENGINE LOG ENTRY ***

REPLACED STARTER ADAPTER WITH NEW UNIT P/N 642085A17 & GASKET P/N 653470. REMOVED SKYTEC STARTER AND INSTALLED TCM ENERGIZER STARTER P/N 646275. REVISED WEIGHT AND BALANCE THIS DATE.

MAINTENANCE RELEASE.
 THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#15182 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR, ARE ON FILE AT THIS REPAIR STATION.

Daniel L Kendall
 Signed DK7R795J FOR DLK AVIATION, INC.

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23080



Hobbs: 956.2
 FHM: 757.2
 Total Time: 757.2
 Date: 6/2/2015

S/N 1000450 ETT: 757.2
 Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection report as a guide. Changed oil & filter. Took Blackstone Labs oil sample. Cut open filter & inspected. No defects noted. Installed new filter P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Checked compression: #1) 56/80 #2) 64/80 #3) 58/80 #4) 55/80 #5) 50/80 #6) 63/80. Master orifice "41" per SB03-3. Borescoped cylinders. No defects noted. C/W TATI ICA's. C/W TATI SB10-01 by inspection. No defects noted. C/W TATI SB10-02 Rev B by inspection. No defects noted. C/W TATI SB11-04 by inspection & cleaning. No defects noted. C/W TATI SB12-02 by inspection. No defects noted. Replaced slave wastegate linkage pins w/ new P/N MS20392-1C15; MS20392-2C13. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23080 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

Timothy J. Redgett
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

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 \longrightarrow					

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23167



Hobbs: 983.3
 FHM: 983.3
 Total Time:
 Date: 10/9/2015

S/N 1000450
 C/W SAVVY 50 hour service items. Changed oil & filter. Took Blackstone Labs oil sample. Cut open filter & inspected. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Washed engine. Ground run acft. Adjusted MAP up 2 inches. Ops check normal & no leaks noted at this time. For further details see WO# 23167 on file this station.

Trinity J. Palto
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23328



Hobbs: 1040.4
 FHM: 820.6
 Total Time: 820.6
 Date: 7/8/2016

S/N 1000450 ETT: 820.6
 Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection report as a guide. Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open filter & inspected. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Checked compression: #1) 58/80 #2) 71/80 #3) 48/80 #4) 67/80 #5) 64/80 #6) 73/80. Master orifice "41" per SB03-3. Borescoped cylinders. No defects noted. C/W TATI ICA's. C/W TATI SI08-01, SB10-01, SB10-02 Rev B, SB12-02. C/W SB11-04 by inspection & cleaning. Replaced exhaust system V-band clamps w/ new P/N 11-1100023. Next replacement due NLT TT: 1270.6. Replaced slave wastegate w/ new P/N 22-6150026 using new gaskets & linkage pin P/N MS20392-1C15. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23328 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

Trinity J. Palto
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23412



Hobbs: 1075.6
 FHM: 848.0
 Total Time: 848.0
 Date: 11/18/2016

S/N 1000450 ETT: 848.0
 Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open filter & inspected. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23412 on file this station.

Trinity J. Palto
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

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

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23488



Hobbs: 1111.7
 FHM: 875.4
 Total Time: 875.4
 Date: 3/17/2017

S/N 1000450 ETT: 875.4

Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open filter & inspected. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23488 on file this station.

Timothy J. Halgett
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Reg #: N5PV
 Model: Cirrus SR22
 Serial: 3469
 Work Order #: 23554



Hobbs: 1139.8
 FHM: 898.2
 Total Time: 898.2
 Date: 7/12/2017

S/N 1000450 ETT: 898.2

Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection program as a guide. Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open filter & inspected. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Checked compression: #1) 56/80 #2) 61/80 #3) 55/80 #4) 70/80 #5) 70/80 #6) 72/80. Master orifice "45". Borescoped cylinders. No defects noted. C/W TATI ICA's. C/W TATI SI08-01 by cleaning. C/W TATI SB10-01, SB10-02, SB12-02 by inspection. No defects noted. C/W TATI SB11-04 by cleaning & inspection of oil screens. No defects noted. RH exhaust manifold repaired by CRS# NJ5R069N WO# 115983. Replaced LH wastegate actuator cable attach clevis pin w/ new P/N MS20392-1C25. Adjusted density controller to increase MAP by 1 inch. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23554 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

Timothy J. Halgett
 For: Air Care, Inc.
 FAA Repair Station
 AC0R030C

Date

Total Time

Time Since
Last Overhaul

Engine Service and Maintenance Record

Brought F

Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order #: 23634



Hobbs: 1172.6
FHM: 924.9
Total Time: 924.9
Date: 11/17/2017

S/N 1000450 ETT: 924.9

Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open & inspected filter. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23634 on file this station.

[Signature]
For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order



Hobbs: 1210.0
FHM: 955.7
Total Time: 955.7

S/N 1000450
C/W SAVVY
inspected filter
plug scoring o
(CRS# PP4R4
noted. Reinsta
Washed engine
#3) 70/80 #5)
this time. For

FAA Repair Station No. PP4R448M

FOR:

TRIAD AVIATION, INC.
3439 South Aviation Drive
Burlington, NC 27215

Signed _____
Signature of Authorized Representative

Order No. _____ Date _____

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR.

APPROVED FOR RETURN TO SERVICE.
OF THE FEDERAL AVIATION AGENCY AND IS IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE.

ACCOMPLISHED BY

SERVICEABLE PARTS

MANUFACTURER

PART NAME

MODEL

PART NO.

SERIAL NO.

REMARKS:

[Handwritten notes in remarks section]

Date

Total Time

Time Since
Last Overhaul

Engine Service and Maintenance Record

Brought F

Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order #: 23634



Hobbs: 1172.6
FHM: 924.9
Total Time: 924.9
Date: 11/17/2017

S/N 1000450 ETT: 924.9

Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open & inspected filter. No defects noted. Installed new P/N CH48108-1. Serviced w/ 7 qts Aeroshell W100 & 1 pt Camguard. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23634 on file this station.

Timothy J. [Signature]
For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order #: 23687



Hobbs: 1210.0
FHM: 955.7
Total Time: 955.7
Date: 4/23/2018

S/N 1000450 ETT: 955.7

C/W SAVVY 50 hour service items. Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open & inspected filter. Non-ferrous metal noted. Lab results are high aluminum. Borescoped cylinders. Found piston pin plug scoring on #3 and #5 cylinders. Removed cylinders for repair. Replaced w/ overhaul exchange cylinders (CRS# PP4R448M WO# 24035) P/N 655932. Removed & inspected prop gov gasket screen for metal. None noted. Reinstalled governor w/ new gasket P/N MS9144-01. Serviced engine w/ 8 qts Aeroshell 100 mineral oil. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. Post-run compression check: #3) 70/80 #5) 70/80. Two hour break-in test flight performed by owner. Post-flight inspection; no leaks noted at this time. For further details see WO# 23687 on file this station.

Timothy J. [Signature]
For: Air Care, Inc.
FAA Repair Station
AC0R030C

Reg #: N5PV
Model: Cirrus SR22
Serial: 3469
Work Order #: 23726



Hobbs: 1225.5
FHM: 967.9
Total Time: 967.9
Date: 7/27/2018

S/N 1000450 ETT: 967.9

Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection report as a guide. Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open filter & inspected. No defects noted. Installed new P/N CH48108-1. Serviced w/ 6 qts Aeroshell W100 & 1 pt Camguard. Checked compression: #1) 50/80 #2) 53/80 #3) 65/80 #4) 50/80 #5) 68/80 #6) 59/80. Master orifice "40". Borescoped cylinders. Found #1 exhaust valve not seating correctly. Staked valve to correct. C/W AD2016-16-12 by review of ECI SI99-8-1 Rev 9; affected cylinder is N/A this engine M/N. C/W TATI ICA's. C/W TATI SB12-02 by inspection. C/W TATI SB11-04 by cleaning & inspection of oil screens. C/W TATI SI11-03 by inspection. C/W TATI SI08-01RevA by cleaning. Replaced density controller w/ overhauled unit (CRS# U5AR184Y WO# 38010) P/N C165004-0501 S/N 02702. Replaced LH intercooler/MPC tube w/ new P/N ETI-G2-16-1. Replaced RH wastegate support bolt P/N MS21250-05020 & bushing P/N 22-6200023. Replaced RH turbo support rod bushing w/ new P/N 22-6200021. Replaced LH turbo support rod w/ new P/N ETI-G2-600-35 & bushing w/ new P/N 22-6200021. Replaced LH wastegate support bolt w/ new P/N MS21250-05020 & bushings w/ new P/N 22-6200023. RH tailpipe & wastegate elbow repaired by CRS# NJ5R069N WO# 117692. RH exhaust v-band clamp due replacement @ TT: 1170.6. Washed engine. Ground run acft. Adjusted density controller. Ops check normal & no leaks noted at this time. For further details see WO# 23726 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

A handwritten signature in black ink, appearing to read 'Timothy J. [unclear]', is written over the typed name 'Timothy J. [unclear]'.

For: Air Care, Inc.
FAA Repair Station
AC0R030C

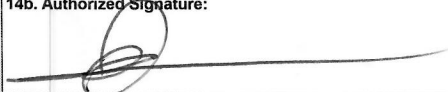
1. Approving Civil Aviation Authority/Country FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 000391
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4. Organization Name and Address: Approved Turbo Components 663 2nd Lane Vero Beach, FL 32962	5. Work Order/Contract/Invoice Number: 38010
---	---

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	HET Turbocharger	C165004-0501	1	02702	Overhauled

12. Remarks:
 Alternate Part Number: 470688-9005
 Overhauled in accordance with 400999-0000 Rev C (04/17/2015)

Certifies that the work specified in block 11/12 was carried out in accordance with EASA part 145 and in respect to that work, the product/article is considered ready for release to service under EASA part 145.5482
 All known AD's and pertinent bulletins have been complied with as of the date of this form.

13a. 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 12.	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No.: U5AR184Y
13d. Name (typed or Printed):	13e. Date (DD/MMM/YYYY):	14d. Name (Typed or Printed): Jeffery Newbold	14e. Date (DD/MMM/YYYY): 17/Jul/2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in block 1. Statements in block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

SERVICEABLE

Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name Air Care Inc.

Work Order No. 117692

Date 7-24-18

Inspected by Keith W. John

Dawley Aviation

140 Industrial Dr.
Burlington, WI 53105

1-800-338-5420

FAA CRS No. NJ5R069N

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

Reg #: N5PV
Model: Cirrus SR22
Serial #: 3469
Work Order #: 23796



Hobbs: 1264.2
FHM: 999.3
Total Time: 999.3
Date: 12/27/2018

S/N 1000450 ETT: 999.3
C/W SAVVY 50-hour service items. Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open & inspected filter. No defects noted. Installed new P/N CH48108-1. Serviced w/ 6 qts Aeroshell W100 and 1 pt Camguard. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 23796 on file this station.

Timothy J Padgett
For: AIR CARE, Inc.
FAA Repair Station
ACOR030C

Reg #: N5PV
Model: Cirrus SR22
Serial #: 3469
Work Order #: 23856



Hobbs: 1328.2
FHM: 1054.0
Total Time: 1054.0
Date: 8/7/2019

S/N 1000450 ETT: 1054.0
Performed 100 hour inspection using Cirrus SR22 maintenance manual scheduled inspection report as a guide. Changed oil & filter. Took Blackstone Labs SOAP sample. Cut open & inspected filter. No defects noted. Installed new P/N CH48108-1. Serviced w/ 8 qts Aeroshell 100 mineral oil. Checked compression: #1) 73/80 #2) 53/80 #3) 73/80 #4) 57/80 #5) 72/80 #6) 67/80. Master orifice "45". Borescoped cylinders. Found #1 cylinder exhaust valve burned. Cylinder repaired by CRS# PP4R448M WO# 25006. C/W 500 hour mag inspection. Replaced the following in both mags: gear assy P/N 10-357586A, block P/N 10-357426, points P/N 10-357426. Set internal time. Reinstalled & times to engine. C/W TATI ICA's. C/W TATI SB12-02 by inspection & leak check. No defects noted. C/W TATI SB11-04 by cleaning & inspection. No defects noted. C/W TATI SI11-03 by inspection. No defects noted. C/W TATI SI08-01 Rev A by cleaning tube. Replaced slave wastegate clevis pins w/ new P/N MS20392-1C13, MS20392-2C13, and safety pin w/ new P/N AA55488-2. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. Post-run compression check: #1) 73/80. Acft owner performed 2 hour break-in test flight. Post-flight inspection; no leaks noted at this time. For further details see WO# 23856 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

Timothy J Padgett
For: AIR CARE, Inc.
Timothy J Padgett
A&P 244256264IA

Reg #: N5PV
Model: Cirrus SR22
Serial #: 3469
Work Order #: 23899



Hobbs: 1355.1
FHM: 1075.2
Total Time: 1075.2
Date: 11/1/2019

S/N 1000450 ETT: 1075.2
Changed oil and filter. Took Blackstone SOAP sample. Cut open and inspected filter. No defects noted. Installed new P/N CH48108-1. Serviced w/ 6 qts Aeroshell W100 and 1 pt Camguard. Washed engine. Ground run acft. Ops check normal and no leaks noted at this time. For further details see WO# 23899 on file this station.

Timothy J Padgett
For: AIR CARE, Inc.
FAA Repair Station
ACOR030C

Reg #: N5PV
Model: Cirrus SR22
Serial #: 3469
Work Order #: 23988



Hobbs: 1414.6
Flight: 1125.7
Total Time: 1125.7
Date: 8/4/2020

Engine S/N 1000450 ETT: 1125.7

Performed 100 hour inspection using Cirrus Aircraft Maintenance Manual inspection report as a guide. Performed compression with the following results #1) 75/80 #2) 50/80 #3) 70/80 #4) 55/80 #5) 65/80 #6) 60/80 MO "40". Removed oil and filter, took Blackstone SOAP sample, cut open filter no metal noted. Installed new filter P/N CH48108-1 and serviced engine with 6qts of Aeroshell 100W oil and 1 pt of CamGuard. Borescoped all cylinders. No defects noted. C/W TATI ICA's. No defects noted. C/W TATI SB11-04 by inspection and cleaning. C/W TATI SI08-01 by inspection and cleaning. Removed and replaced RH wastegate actuator hardware with new pin P/N MS20392-2C13, pin P/N MS20392-1C13 and safety pin P/N AA55488-2. Removed and replaced LH exhaust manifold assy with new P/N 22-6580011 and gasket set P/N MGKC. Washed engine. Ground ran aircraft. Ops check normal no leaks or defects noted at this time. For Further details see WO#23988 on file this station. I certify this engine has been inspected IAW a 100 Hour inspection and is approved for return to service.



For: Air Care, Inc.
FAA Repair Station
A C O R 0 3 0 C