

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE

TOTAL TIME IN SERVICE

TOTAL TIME SINCE OVERHAUL

TACH OR RECORDING METER TIME

TOTALS brought forward from previous page

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: Invoice # 9396	
4. Organization Name and Address: Signature Engines, Inc., 4760 Airport Road, Cincinnati, Ohio 45226 Certificate No. ESZR316Y					5. Work Order/Contract/Invoice Number: E 6826	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Continental Motors Engine	IO-550-N	1	691929	Overhauled	
<p>12. Remarks: THIS ENGINE HAS BEEN OVERHAULED IN ACCORDANCE WITH THE APPLICABLE CONTINENTAL MOTORS MANUALS. A LIST OF ALL PARTS, F.A.A. AIRWORTHINESS DIRECTIVES AND MANUFACTURER'S SERVICE BULLETINS COMPLIED WITH ARE A PART OF THESE RECORDS. ALL PARTS HAVE BEEN INSPECTED AND HAVE BEEN DETERMINED AIRWORTHY TO RETURN TO SERVICE. ENGINE TEST RUN PER OVERHAUL MANUAL. TEST SHEET FURNISHED. THIS ENGINE IS AIRWORTHY FOR RETURN TO SERVICE.</p> <p>PARTS AND ACCESSORIES REPLACED: 6 New Factory Steel Cylinders Engine T.S.M.O. 0 Hours 2 Rebuilt Bendix Magnetos Engine T.T.S.N. 1679.1 Hours 1 Overhauled Fuel Injection 1 New Harness 1 Set of New Spark Plugs</p>						
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.: ESZR316Y	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Terrence McRoberts, Inspector		14e. Date (dd/mm/yyyy): 25/Apr/2016	
User/Installer Responsibilities						
<p>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.</p> <p>Statements in Blocks 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.</p>						

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9003

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RS Aircraft Service
3103 Aviation Way
Brenham TX 77833

5-18-16 TSOH = 0 Hobbs = 2188.7 IO-550-N

This overhauled engine was installed in Cirrus SR22 - SN 0511 with new Lord mount and fluid hose assemblies (Herber WO#P104884). Installed previous used 646843 alternator (AeroTech WO# 113289) and Sky-Tec starter. Exhaust system inspected. Added Aero Shell 100 mineral oil. Engine ran and operational checked. Magneto timing and fuel pressures (SID 97-3) checked.

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

Ronald Stegemoller
A&P# 2192007 I.A.



RS Aircraft Service
3103 Aviation Way
Brenham TX 77833

6-11-16 Hobbs =2208 IO-550-N
Replaced leaking oil cooler base gasket P/N649989 per TCM service manual.
Oil and filter changed - added Aero Shell 15W50 oil.



A&P 2192007



N816LT
Engine

Date: 11-17-16 Tach: ACFTT: 2282.4

Serviced Engine Oil with 8Qrts Aeroshell 15W50. Removed and Replaced engine oil filter CH48108-1. Collected Oil Sample for analysis. Adjusted Engine Idle Fuel Flow to 8psi, and Idle to 700rpm, and Idle cut off to a 60rpm per rise with 4 seconds rich to lean control movement IAW CMM 73-20 sec C.

Aircraft is airworthy with respect to work performed.

Signature:  Stephen Vyvjala A&P 38337411A

Date: 11-17-16

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				TOTALS brought forward from previous page



N816LT Engine

Date: 11-22-16 Tach: ACFTT: 2284.0
 Removed and replaced cylinder #4 Lower Spark Plug RHB32E.
 Repaired cylinder #3 EGT wiring, Ops Run Check Good.
 Removed and Replaced Cylinder #3 EGT Probe due to erroneously high reading at engine start up. New sensor reads 80-125° higher than others and is within tolerance. Ops Run Chk Good. Aircraft is airworthy with respect to work performed.
 Signature: *[Signature]* Stephen Vyvjala A&P 3833741
 Date: 11-22-16



N816LT Engine

Date: 12-11-16 Tach: ACFTT: 2297
 Adjusted WOT fuel flow to 28GPH per Continental MM, Take off fuel flow check good. Soldered fuel flow transducer connections to correct loss of signal condition, Ops check good.
 Aircraft is airworthy with respect to work performed.
 Signature: *[Signature]* Stephen Vyvjala A&P 3833741A
 Date: 12-11-16



N816LT Engine

Date: 3-30-17 Hobbs: 2338.8 ACFTT:
 Serviced Engine oil system, collected sample. Filled w
 Aeroshell 15W50 and new filter CH48108-1. Leak/Lvl
 I certify the work completed on this aircraft is airworthy with respect to the details above.
 Signature: *[Signature]* Stephen Vyvjala A&P 3833741A
 Date: 3-30-17

2017 Annual
on old engine
logbook - on back

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REG. NO.	DATE:	HOBBS	FLIGHT	ENG TT	ENG TSO
N388DH	9/2/2015	1865.3	1642.6	1642.6	0.0

-Drained oil and cut open oil filter, found no unusual debris. Installed new filter, PN: CH48108-1, and serviced engine with 8 quarts of Aeroshell 100 Plus. Performed ground run, no leaks noted at this time.
 -Installed new #1 fuel injection line, PN: 646611, new clamp, PN: 652436, and new bracket, PN: 652436-1. Pressure tested for leaks, none noted.
 -Installed new mixture arm, PN: 656209-10, new rod end, PN: 11314-003, and new bolt, PN: AN3-10. Rigged so arm hit both stops, and performed ground run with all engine parameters met.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008396.

Inspectors Signature: *[Signature]* Gil Martinez
 Signature TechnicAir – KMKC A&P 3624806



Charles B Wheeler Downtown Airport
 701 NW Lou Holland Dr. Kansas City MO 64116

ENGINE	S/N 691929				
REG. NO.	DATE:	FLIGHT	A/C TT	ENG TT	TSO
N388DH	12/4/2015	1905.2	1679.1	1679.1	0.0

Removed this engine from this airframe for overhaul. Total time is listed above.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008440.

Inspectors Signature: *[Signature]* Jennifer Rogers
 Signature TechnicAir – KMKC A&P 3409944 IA

ENGINE MODEL: IO-550-N (7) Clear Star Aviation
 ENGINE S/N: 686886 Repair Station No. 5CSR009B
 REG. NO: N816LT 4765 Frank Luke Dr
 WORK ORDER: 200652 Addison, TX 75001
 Phone: 972-267-2376

DATE: 6/2/2017
 A/C TSN: 2360.1
 ENG TT: 171.4
 HOBBS: 2360.1

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30. Checked the fuel system in accordance with SID 97-3E..The cylinder compression was checked with the following results: #1, 72/80 #2, 72/80 #3, 74/80 #4, 72/80 #5, 72/80 #6, 72/80 psi. Master orifice 42/80..The oil and filter was changed and serviced with 8 quarts of Phillips 20W-50 X/C and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories..Replaced oil cooler gasket P/N 649989 and both 649961 washer gaskets

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. 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 5CSR009B.

DATE: 6/2/2017 SIGNED: *[Signature]* Work Order: 200652
 Longaker, Doug Printed by EBis 3 (datcomedia.com)
 Certified Repair Station No. 5CSR009B

OLD
 ENGINE
 LOG

DATE



PRIMARY FLIGHT
MAINTENANCE
KEEP YOU AIRBORNE

N816LT Engine

Date: 8-25-17 Hobbs: 2394.3 ACFTT:
Removed and replaced CHT Sensor PN-1480-001 on cylinder #5
IAW CMM. Ops./Run/Temp Check Good. I certify the work
completed on this aircraft is airworthy with respect to the details
above.

Signature:  Stephen Vyvjala A&P 38337411A

Date: 8-25-17

-----NOTHING FOLLOWS-----

RMED-
PERFORMING WORK



PRIMARY FLIGHT
MAINTENANCE
KEEP YOU AIRBORNE

N816LT Engine

Date: 11-17-17 Hobbs: 2418.6 Aftt:
Serviced Engine oil system, collected sample. Filled with 8Qrts of
Aeroshell 15W50 and new filter CH48108-1. Leak/Lvl Chk Good.
I certify the work completed on this aircraft is airworthy with
respect to the details above.

Signature:  Stephen Vyvjala A&P 38337411A

Date: 11-17-17

-----NOTHING FOLLOWS-----



PRIMARY FLIGHT
MAINTENANCE
KEEP YOU AIRBORNE

N816LT Engine

Date: 11-30-17 Hobbs: ~~4747.7~~ Tach: ~~4747.7~~ Aftt:
Removed Oil Filter and Oil Pressure Relief Valve due to low oil
pressure, 25 cold and 7 at temp. Cut open oil filter for inspection
No Abnormal Debris Found. Oil Pressure Relief Valve had 1 piece
of non-metalic debris present on the seat area at the time of
inspection. Removed Debris from seat area and reinstalled Oil
Pressure Relief Valve with new Gasket and installed IAW CMM.
Installed New CH48108-1 Oil Filter. Ops Check, Pressure Check,
Leak Check Good. Aircraft Is Released for service as I certify the
work completed on this aircraft is airworthy with respect to the
details above.

Signature:  Stephen Vyvjala A&P 38337411A

Date: 11-30-17

-----NOTHING FOLLOWS-----

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2018 ANNUAL

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DESCRIPTION OF WORK PERFORMED—
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DATE

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N816LT CIRRUS SR22 S/N: 0511 TT:2461.7 HM: 2461.7 W/O: 20180026 DATE: 03/28/2018

1. Removed and replaced alternator #1 field control module PN:29435-002 and logic module PN:14610-004 with new.
2. Removed pilot door side panel, Removed broken pin and cotterpin remnants from door latch mechanism. Installed new door pin PN: MS16562-223, re-installed door panel, Operational check of pilot crew door is satisfactory.

THIS MAINTENANCE WAS PERFORMED I/AW THE INSTRUCTIONS AND PROCEDURES FOR UNIT SELECTED BY THE OWNER OR OPERATOR UNDER THE PROVISIONS OF FAR 91.409 AND 43 APPENDIX D, THE CIRRUS SR22 AMM, REVISION B7 (13773-001), DATED SEPTEMBER 19, 2017. WITH RESPECT TO THE WORK PERFORMED, THIS AIRFRAME IS APPROVED FOR RETURN TO SERVICE FOR DISCREPANT ITEMS #1 THRU #2. DETAILS ON FILE UNDER W/O: 20180026.

TIDAL AVIATION
(713) 589-4510


Anthony W Rodgers A&P 4022219

 **CIRRUS PARTNER**
PLATINUM

N816LT CIRRUS SR22 S/N: 0511 HM: 2461.7 W/O: 20180026 DATE: 03/28/2018
ENGINE: (TCM) IO-550-N(48B) S/N: 691929 TSN: 273.0

1. Drained engine oil and took oil AOA oil sample after draining two quarts, Removed oil filter and cut open for contaminant inspection with none found, Installed new Champion CH48108-1 oil filter, Serviced engine with 7 quarts of Aeroshell 15W-50.
2. Removed #1 Alternator PN:6JA038 SN:646843 and sent to Quality Aircraft Accessories for overhaul / repair.-QAA workorder #036927. Received and reinstalled alternator #1 PN:6JA038 SN:646843 with new gasket PN: 653981
3. Removed and replaced #4 CHT sensor with new PN:14880-001.

THIS MAINTENANCE WAS PERFORMED I/AW THE INSTRUCTIONS AND PROCEDURES FOR UNIT SELECTED BY THE OWNER OR OPERATOR UNDER THE PROVISIONS OF FAR 91.409 AND 43 APPENDIX D THE CIRRUS SR22 AMM, REVISION B7 (13773-001), DATED SEPTEMBER 19, 2017, AND CONTINENTAL IO-550 MOM, CHANGE 2, DATED JULY 15, 2015. WITH RESPECT TO THE WORK PERFORMED, THIS ENGINE IS APPROVED FOR RETURN TO SERVICE FOR DISCREPANT ITEMS #1 THRU #3. DETAILS ON FILE UNDER W/O: 20180026.

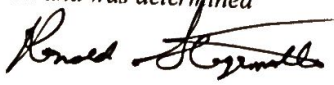
TIDAL AVIATION
(713) 589-4510


Anthony W Rodgers A&P 4022219

 **CIRRUS PARTNER**
PLATINUM

RS Aircraft Service
3103 Aviation Way
Brenham TX 77833

6-14-18 TSOH = 312.9 Hobbs = 2501.6 IO-550-N
Engine ran and operational checked. Compression checked 79,78,78,78,79,79 over80 PSI. Oil and filter changed - added Aero Shell 15W50 oil. Spark plugs cleaned and gapped. Magneto timing to engine checked. Replaced air induction filter element. Exhaust system inspected.

I certify this engine has been inspected in accordance with a 100 hr / annual inspection and was determined to be in airworthy condition.
Ronald Stegemoller
A&P# 2192007 I.A. 

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N816LT CIRRUS SR22 S/N: 0511 TT: 2516.1 HM: 2516.1 W/O: 20180074 DATE: 08/08/2018

1. Performed Mcu ops check and found alt 1 to remain inoperative at low rpm. Once rpm reached 2000 alt 1 would begin providing power. Tested field voltage wire and found it to have 24 volts battery power with or without engine running. Checked resistance in alternator and found it to be in acceptable limits. Suspect brush blocks are sticking or have a broken wire and power is going through the brush block spring. Removed Alternator #1 PN: 646843 SN: 6JA038 and sent to QAA for warranty repair. Case # 12523760 UPDATE** Quality aircraft accessories ran a bench test of the alternator and found no problems and drive adapter is torqued to specifications and is not slipping. Re-installed Alternator #1 PN: 646843 SN: 6JA038.
2. Manufactured MCU relocation bracket using accepted practices per AC43.13. Removed MCU100 P/N 14600-002, S/N 00464, replaced with MCU120 P/N:16600-011 SN:02347. Trimmed lower engine cowling ground power port to allow for GPU plug access. Weight and balance change negligible. Performed MCU operational inspection, satisfactory for return to service.

THIS MAINTENANCE WAS PERFORMED I/AW THE INSTRUCTIONS AND PROCEDURES FOR UNIT SELECTED BY THE OWNER OR OPERATOR UNDER THE PROVISIONS OF FAR 91.409 AND 43 APPENDIX D, THE CIRRUS SR22 AMM, REVISION B7 (13773-001), DATED SEPTEMBER 19, 2017, AND AC43.13. WITH RESPECT TO THE WORK PERFORMED, THIS AIRFRAME IS APPROVED FOR RETURN TO SERVICE FOR DISCREPANT ITEMS #1 THRU #2. DETAILS ON FILE UNDER W/O: 20180074.

TIDAL AVIATION
(713) 589-4510


Anthony W Rodgers A&P 4022219

 **CIRRUS**
PARTNER
PLATINUM

N816LT CIRRUS SR22 S/N: 0511 HM: 2521.7 W/O: 20180093 DATE: 08/23/2018
ENGINE: (TCM) IO-550-N(48B) S/N: 691929 TSN: 333.0

1. Removed Alternator #1 PN: 646843 SN: 006JA038 and installed overhauled alternator PN: 646843 SN: E149602.0R. MCU operational check was satisfactory ALT1 produces power in all phases of operation.
2. Overhauled alternator did not arrive with grounding strap, Manufactured wire jumper from field terminal # 2 to ground terminal using AC21-99(1) as a guide. Original grounding strap is being shipped back to Tidal from QAA to be returned to the aircraft owner.

THIS MAINTENANCE WAS PERFORMED I/AW THE INSTRUCTIONS AND PROCEDURES FOR UNIT SELECTED BY THE OWNER OR OPERATOR UNDER THE PROVISIONS OF FAR 91.409 AND 43 APPENDIX D THE CIRRUS SR22 AMM, REVISION B7 (13773-001), DATED SEPTEMBER 19, 2017, AND CONTINENTAL IO-550 MOM, CHANGE 2, DATED JULY 15, 2015. WITH RESPECT TO THE WORK PERFORMED, THIS ENGINE IS APPROVED FOR RETURN TO SERVICE FOR DISCREPANT ITEMS #1 & #2. DETAILS ON FILE UNDER W/O: 20180093.

TIDAL AVIATION
(713) 589-4510


Anthony W Rodgers A&P 4022219


 **CIRRUS**
PARTNER
PLATINUM

N816LT CIRRUS SR22 S/N: 0511 HM: 2533.0 W/O: 20180105 DATE: 09/13/2018
ENGINE: (TCM) IO-550-N(48B) S/N: 691929 TSN: 344.3

1. Removed 60 amp Alternator #1 PN:646843 SN: E149602.0R and replaced with new 100 amp Alternator #1 PN:656802 SN: H-R041874 and gasket. Weight and balance change negligible. Operational and functional check satisfactory for return to service.

THIS MAINTENANCE WAS PERFORMED I/AW THE INSTRUCTIONS AND PROCEDURES FOR UNIT SELECTED BY THE OWNER OR OPERATOR UNDER THE PROVISIONS OF FAR 91.409 AND 43 APPENDIX D THE CIRRUS SR22 AMM, REVISION B8 (13773-001), DATED SEPTEMBER 04, 2018, AND CONTINENTAL IO-550 MOM, CHANGE 2, DATED JULY 15, 2015. WITH RESPECT TO THE WORK PERFORMED, THIS ENGINE IS APPROVED FOR RETURN TO SERVICE FOR DISCREPANT ITEMS #1. DETAILS ON FILE UNDER W/O: 20180105.

TIDAL AVIATION
(713) 589-4510


Anthony W Rodgers A&P 4022219

 **CIRRUS**
PARTNER
PLATINUM

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G&G Aviation Services
 10200 Dorbandt Dr. #23D
 Conroe, Tx 77303

ENGINE Logbook Entry

Make: TCM Model: IO-550-N
 Serial: 691929
 Hobbs: 2592.0

Registration: N816LT
 Make: Cirrus
 Model: SR22
 Serial: 0511

Completed oil and filter change this date

1. Drained oil and removed filter, cut filter to check for contaminants, none found.
2. Serviced engine with 8 qts of Aeroshell 15W50 oil and CH48108-1 filter.
3. Oil sample taken this date and sent to AvLab Aviation Laboratories.
4. Performed run-up to check for proper operation and for leaks, all satisfactory.

I certify that all work was done in accordance with FAA regulations and approved maintenance manual. This engine was found to be in an airworthy condition, and is approved for return to service with respect to work performed this date

*****END*****

Date-12-20-2018

Authorized Signature

Gregory J Evans J.R
 A&P 3023363 IA

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CIRRUS AIRCRAFT

PACKING SLIP

Cirrus Design Corporation
4515 Taylor Circle
Duluth, MN 55811

Phone: 218-727-2737
Fax: 218-727-2148
www.cirrusaircraft.com

PACK SLIP NO. 213784*1	DATE SHIPPED 09/06/18
SALES ORDER NO. 213784	DATE ORDERED 09/06/18
CUSTOMER PURCHASE ORDER NO. 2831	
SHIP VIA FedEx Priority Overnight	INCOTERMS FCTRY-PPD

Sold To	01*19190 Tidal Aviation 1904 Cardiff Rd. Hanger HC-106 Brookshire TX 77423 United States	Ship To	19190 TIDAL AVIATION 1900 Cardiff Road, Ste 214 Hanger HC-106 BROOKSHIRE, TX 77423 United States
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Item	Product and Description	UOM	QTY Ordered	QTY Shipped	QTY B.O.	Serial Numbers
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0001	656802 ALTERNATOR 100AMP LIGHT WEIGHT Country of Origin: US HTS: 8803300010	EA	1	1		HR041874
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8165

Tracking Number: 617957784968

Carly S. Kujawa

Director, Quality Assurance

CERTIFICATE OF CONFORMANCE

Cirrus Aircraft certifies that the items shipped on this order are in compliance with all engineering drawings and specifications, and meet all quality control specifications set forth.

All items listed above are considered airworthy, meet the requirements of U.S. Type Certificates A00009CH or A00018CH and were manufactured under U.S. Production Certificate PC338CE.

Items are eligible for installation on Cirrus model SR20, SR22, SR22T and SF50.

Please direct all accounting and payment matters to ar@cirrusaircraft.com.

A pre-approved RMA number must accompany all non-warranty core return items. Contact partreturns@cirrusaircraft.com with any questions or inquiries.

A warranty claim must be filed for all warranty core returns. The warranty claim number and copy of claim form must accompany all warranty core returns. Contact warranty@cirrusaircraft.com with any questions or inquiries.

Items that are not defective or damaged in any way may be returned for credit within 60 days of invoice date. Items may be subject to a restocking fee of 15% or \$50 per item, which ever is greater, with a maximum fee of \$500.

Damaged or discrepant shipments must be reported to Cirrus Aircraft within 24 hours of receipt. Failure to report damaged shipments in a timely manner may result in partial credit or declined credit. Please review current Cirrus

1. Approving Civil Aviation Authority/Country: 2.

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

QAA# 042135

4. Organization Name and Address:

Quality Aircraft Accessories Inc. (QYIR334Y)
5746 East Apache
Tulsa, OK 74115

Phone: 1-877-833-6948
918-835-6948

Fax: 918-835-2804

5. Work Order/Contract/Invoice Number:

042135

6. Item: 7. Description: 8. Part Number: 9. Quantity: 10. Serial Number: 11. Status/Work:

1	ALTERNATOR	646843	1	E149602.0R	OVERHAULED
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12. Remarks:

THE FOLLOWING SERVICE INSTRUCTIONS HAVE BEEN COMPLIED WITH: SID97-8 INTERFERENCE OF TCM 24 VOLT 60 AMPERE GEAR DRIVEN ALTERNATOR AND CRANKCASE THROUGH BOLT. M84-5 GEAR DRIVEN ALTERNATOR INSPECTION PROCEDURE

EXCHANGE

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

RECORDS OF WORK PERFORMED ARE MAINTAINED ON FILE AND WILL BE FURNISHED ON REQUEST

TCM MANUAL # X30531-4 ISSUE DATE: 08/2011

13a. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

14a. 14 CFR 43.9 Return to Service

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.:

13d. Name (Typed or Printed):

13e. Date (dd/mm/yyyy):

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

DONNY ROWAN

QYIR334Y

16/AUG/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/air/tide

When 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 air/craft engine(s)/propeller(s)/air/tide(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, air/craft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country: **FAA/United States**

2. **AUTHORIZED RELEASE CERTIFICATE**
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **Invoice # 9396**

4. Organization Name and Address:
 Signature Engines, Inc., 4760 Airport Road, Cincinnati, Ohio 45226 Certificate No. E5ZR316Y

5. Work Order/Contract/Invoice Number: **E 6826**


6. Item: **1** 7. Description: **Continental Motors Engine** 8. Part Number: **IO-550-N** 9. Quantity: **1** 10. Serial Number: **691929** 11. Status/Work: **Overhauled**

12. Remarks:
 THIS ENGINE HAS BEEN OVERHAULED IN ACCORDANCE WITH THE APPLICABLE CONTINENTAL MOTORS MANUALS. A LIST OF ALL PARTS, F.A.A. AIRWORTHINESS DIRECTIVES AND MANUFACTURER'S SERVICE BULLETINS COMPLIED WITH ARE A PART OF THESE RECORDS. ALL PARTS HAVE BEEN INSPECTED AND HAVE BEEN DETERMINED AIRWORTHY TO RETURN TO SERVICE. ENGINE TEST RUN PER OVERHAUL MANUAL. TEST SHEET FURNISHED. THIS ENGINE IS AIRWORTHY FOR RETURN TO SERVICE.

PARTS AND ACCESSORIES REPLACED:
 6 New Factory Steel Cylinders
 2 Rebuilt Bendix Magnets
 1 Overhauled Fuel Injection
 1 New Harness
 1 Set of New Spark Plugs

Engine T.S.M.O. 0 Hours
 Engine T.T.S.N. 1679.1 Hours

13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation.
 14 CFR 43.9 Return to Service 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: _____ 14b. Authorized Signature: 

13c. Approval/Authorization No.: _____ 14c. Approval/Certificate No.: **E5ZR316Y**

13d. Name (Typed or Printed): _____ 14d. Name (Typed or Printed): **Terrence McRoberts, Inspector**

13e. Date (dd/mm/yyyy): _____ 14e. Date (dd/mm/yyyy): **25/Apr/2016**

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 Blocks 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.

NSN: 0052-00-012-9005

FAA Form 8130-3 (02-14)

Signature

ENGINES, INC.

SEF #10

4760 Airport Road Cincinnati, Ohio 45226
(513) 871-9966 fax (513) 871-9261
Repair Station # E5ZR316Y

ENGINE TEST LOG FOR SHIPPED ENGINE

ENGINE MODEL IO-550-N ENGINE S/N 691929 T/C # E3SO
 WORK ORDER NO. E6826 TEST OPERATOR Douglas P Klemm DATE 4/25/16

TOTAL TIME	R.P.M.	M.P.	OIL PRESS	OIL TEMP	C.H.T. #1	C.H.T. #2	C.H.T. #3	C.H.T. #4	C.H.T. #5	C.H.T. #6	C.H.T. #7	C.H.T. #8
5	1200	15	54	134	209	214	213	207	217	221		
5	1600	18	57	172	241	233	249	235	239	244		
5	2100	21	53	185	348	337	344	343	340	335		
5	2400	24	56	185	390	384	387	386	376	382		
10	2700	28	59	185	433	430	442	435	428	439		
10	1025	15	48	162	221	233	223	224	234	233		
5	600	15	46	154	193	201	201	189	191	194		
15	2025	21	52	188	317	309	322	315	312	319		
15	2025	21	52	185	314	307	319	312	307	318		
5	2000	20	52	185	313	305	315	311	306	312		
5	2700	28	59	185	430	427	440	431	424	436		
5	2025	21	52	185	309	304	313	307	303	310		
5	600	15	46	168	190	200	201	188	191	194		
15	2025	21	52	185	307	306	310	305	306	309		
15	2025	21	52	185	301	295	309	300	297	305		
10	600	15	46	154	187	194	197	185	189	193		

TOTAL TIME 2.25

Tach Drive Check 4/4 Prop Gov Pad 46 Mag To Eng. Timing DK 22

Magcheck RPM 2100 L/M RPM Drop 41 R/M RPM Drop 63 Carb./F.I./O/H Test

Idle Mixture Check OK Idle Cut Off OK T.O. R.P.M. Oil Pressure 59 Supplied Fuel Pressure 8

Idle RPM 600 Idle Oil Pressure 46 Idle Fuel Pressure - T.O. Fuel Pressure -

Idle Unmeter F/P 4 Idle Meter F/P 5 Meter F/P T.O. 22 Unmeter F/P T.O. 31

M89-7R1 Engine operation after cylinder replacement and or major overhaul. DK
RUNNING VISUAL INSPECTION Douglas P Klemm DATE 4/25/16

INSPECTOR [Signature] DATE 4/25/16



SEF #7
 4760 Airport Road, Cincinnati, Ohio 45226
 (513) 871-9966 fax (513) 871-9261
 Repair Station # E5ZR316Y
 SignatureEnginesInc.com

ENGINE OVERHAUL / T.D.I. RECORD

MAKE: <u>Cont</u>	MODEL: <u>I0 550-N</u>	S/N.: <u>691929</u>
RATED H.P.: <u>310</u>	RATED R.P.M.: <u>2700</u>	T.C. NO.: <u>E350</u>
WORK ORDER NO.: <u>E6826</u>	CYL. TYPE: <u>Factory New</u>	DATE COMPLETE: <u>4-21-16</u>

Engine T.S.M.O.: _____ Hr. Engine T.T.S.N.: 1679.1 Hr.

Technician Signature: David [Signature] Inspector Signature: [Signature]

Prop Dowel Bushings: NIA Crankshaft S.N.: N151A137 Case Match #: N08FA328
 Rod Journals Dia: STD Cam Gear Backlash: WP Prop Drive Geag Backlash: NIA
 Main Journals Dia: STD Mag. Drive Gear Backlash: WP Mag. Drive Gear Bearing: NIA
 Rods Torqued: RP JW C/W Pins, Plates, Rings: RP JW Camshaft Saddle: Std P20
 Crank End Clearance: P Crankcase Plugs: WP Sludge Tubes: NIA
 Oil Pump Gear To Housing: WP Crank C. W. Bushings: WP P/KW Cylinder Torqued: RP JW
 Valve Clearance: WP JW Oil Pump Gears: RP Cam To Crank Timing: RP JW
 Crankshaft Oil Passage: LO Crankcase Oil Passage: RP Thrust Clearance Face: ✓ Slinger: _____
 Mag. To Eng. Timing: RP S.B. 651 NIA

Case Cont. 7th stud hump Light Lyc. Case W/D N/D Heavy Crankshaft Seal Std P50

AMT.	PART NUMBER	DESCRIPTION	\$ COST	AMT.	PART NUMBER	DESCRIPTION	\$ COST
1	E97191	GASKET SET				OIL DRAIN HOSES	
1	SA641250	OIL SEAL				COUNTERWEIGHT	
1	646592 A2	BEARING SET				COUNTERWEIGHT	
		BEARING		1	654084	CAMSHAFT P/N RE	
		BEARING				VERNATHERM	
12	AEC642398	ROD BEARING				OIL PUMP KIT	
		SLUDGE TUBE		6	FA536379	CRANK BOLT	
1	FA530899	ADP. BEARING		12	TCM652963	R/A BUSHING	
4	105	C.W. PINS				R/A BUSHING	
2	104	C.W. PINS				MAG COUPLING	
2	103	C.W. PINS				PISTON	
16	SA639193	C.W. BUSHING		12	655958	ROD BOLTS	
		C.W. BUSHING		12	654490	ROD NUTS	
		C.W. BUSHING		1	AEC632893	G159	
		BLADE BUSHING		2	FA641909	LOCK PLATE	
		BLADE BUSHING		4	SA631088-44	SCREW	
		C.W. PLATE		4	FA649205	SCREW	
16	AEC629104	C.W. CIRCLIP		8	AEC641931 10.75	TAP Bolt	
16	FA643629	CRANK PLUG					
		CONN. ROR PINS					
6	SA646277	LIFTERS					
6	653888	LIFTERS					
		ROCKER SHAFT					
		INTAKE HOSES					

Signature Engines, Inc.

Invoice

4760 Airport Road Hangar 6
 Cincinnati, OH 45226
 513-871-9966 Fax 513-871-9261
 Certified Repair Station # E5ZR316Y

Date	Invoice #
4/22/2016	9396

PAID
04/22/2016

Bill To	Ship To
816LT Flyers, LLC 23 Craggy Rock Place The Woodlands, TX 77381	RS Aircraft Services 3103 Aviation Way Brenham, TX 77833 Ron 979-836-0846

Work Order No.	Model	Serial Number:	Terms
E6826	IO-550-N	691929	Wire Transfer or Cashier Check

Quantity	Description	Rate	Amount
	Teledyne Continental Exchange Shipped Engine	30,100.00	30,100.00T
	INCLUDES: 6 New Factory Steel Cylinders 2 Rebuilt Bendix Magnetos 1 New Harness 1 Overhauled Fuel Injection New Set of Spark Plugs Freight One Way		
	Core Return Guarantee Continental-Must return an IO-550-N engine core with all furnished accessories. Core must be as removed, normal run-out, non failed engine or additional charges will apply. Return core engine within 10-15 days. Engines are not sold outright without prior approval nor sold at the \$8,000.00 core value. Credit card info on file	325.00 0.00	325.00T 0.00T

	Subtotal	\$30,425.00
	Sales Tax (0.0%)	\$0.00
	Total	\$30,425.00
	Payments/Credits	\$-30,425.00
	Balance Due	\$0.00

160016

1. Approving Civil Aviation Authority/Country:

FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

461287

4. Organization Name and Address

Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615

PC #508

5. Work Order/Contract/Invoice Number:
508151 0000195197

6. Item:	7. Description	8. Part Number	9. Quantity:	10. Serial Number:	11. Status/Work:
1	CYL & VALVE ASSY LOADED	658595A2	6	See Block 12	NEW

12. Remarks:
AIRWORTHINESS APPROVAL

Serial/Part Number(s):

Serial	Description
AC16BB811	CYL & VALVE ASS
AC16BB803	CYL & VALVE ASS
AC16BB809	CYL & VALVE ASS
AC16BB823	CYL & VALVE ASS
AC16CB052	CYL & VALVE ASS
AC16CB073	CYL & VALVE ASS

13. Certifies the items identified above were manufactured in conformity to

Approved design data and are in condition for safe operation

Non-approved design data specified in Block 12.

13b. Authorized Signature <i>Thomas H Howard</i>	13c. Approval/Authorization No.: 937042831
13d. Name (Typed or Printed): Thomas H. Howard	13e. Date (dd/mm/yyyy): 06/Apr/2016

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 Blocks 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

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: 08/22/2008

This engine model I0550N48, Serial No. 691929 was manufactured on 08/21/2008 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
ENGINE S/N
REG NO 388DH
WORK ORDER
12264-11-2008

Cirrus Design Factory Service Center

Repair Station No YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone 218-788-3438

DATE 11/9/2008
A/C TSN 3.3
ENG TT
HOBBS 3.3

Engine Entries

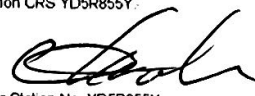
(7) (FLT Time 1.8) Installed a TANIS Engine Preheat System Model No TAS100-12CS-1, S/N 41990 IAW Tanis Installation Instructions Drawing No 104 and Standard Maintenance Practices. Aircraft Weight and Balance has been Revised for this installation. Ops Check Good

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: 11/9/2008

SIGNED:

Curt Kracke
Certified Repair Station No YD5R855Y



Work Order: 12264-11-2008

Printed by EBis 3 (datcomedia.com)

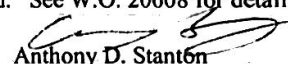
11-21-2008

Flight Hobbs: 15.9

N388DH Engine Log

Inspected engine per TCM Maintenance Manual X30634A Chapter 5 100 hour inspection. Compressions are 1-75/80 2-72/80 3-72/80 4-74/80 5-62/80 6-76/80. Removed, cleaned, rotated and reinstalled spark plugs. Removed, cleaned and reinstalled the fuel injectors using new seals. Drained oil. Removed filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50 X/C Type M. Washed down the engine and performed ground run. No leaks noted. See W.O. 20608 for details.

Note: Cirrus free maint. 25 hour interval items complied with at this time.


Anthony D. Stanton
Executive Beechcraft Inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

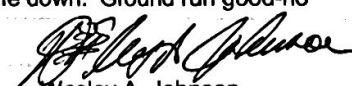
12-31-2008

68.6 HOBBS

57.3 FLIGHT

N388DH ENGINE LOG

Completed a 50 hour inspection using the CDC AMM chapter 5 checklist. Drained oil. Removed and opened oil filter for inspection-no metal noted. Installed a new oil filter and safetied. Serviced engine with 8qts X-C 20w50. Washed engine down. Ground run good-no leaks noted. Details are on file under W.O. 20662.


Wesley A. Johnson
Executive Beechcraft inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brough

2-24-2009

Flight Hobbs: 99.4

N388DH Engine Log

Inspected engine per TCM Maintenance Manual X30634A Chapter 5 100 hour inspection. Compressions are 1-75/80 2-72/80 3-72/80 4-74/80 5-62/80 6-76/80. Removed, cleaned, rotated and reinstalled spark plugs. Removed oil cooler S/N F08-7057-31 and installed new TCM cooler P/N 654585 S/N G08-7057-158. Drained oil. Removed filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. See W.O. 20732 for details.

Note: Cirrus free maint. 100 hour interval items complied with at this time.



Anthony D. Stanton
Executive Beechcraft Inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

5-8-2009

179.9 HOBBS

153.3 FLIGHT

N388DH ENGINE LOG

Completed a 50 hour inspection using the CDC AMM chapter 5 checklist. Drained and sampled oil. Removed and opened oil filter for inspection-no metal noted. Installed a new oil filter and safetied. Serviced engine with 8qts X-C 20w50. Washed engine down. Ground run good-no leaks noted. Details are on file under W.O. 20810.



Wesley A. Johnson
Executive Beechcraft inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

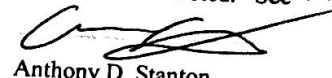
6-23-2009

Flight Hobbs: 203.9




N388DH Engine Log

Inspected engine per TCM Maintenance Manual X30634A Chapter 5 100 hour inspection. Compressions are 1-72/80 2-71/80 3-71/80 4-72/80 5-74/80 6-73/80. Removed, cleaned, rotated and reinstalled spark plugs. Drained oil. Removed filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. See W.O. 20861 for details.

Note: Cirrus free maint. 200 hour interval items complied with at this time.



Anthony D. Stanton
Executive Beechcraft Inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

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 →						
7-1-09					Cirrus Design SR-22 N388DH s/n 3280	Hobbs time: 249.0
Engine: Continental IO-550-N s/n 691929						
Replaced oil cooler with new. Part number installed: 654585 Serial number installed: A09-7684-17. Ground run leak check is good.						
 Lars Allen CRSYEBR071L wo#20875						
8-12-2009					288.4 HOBBS	247.1 FLIGHT N388DH ENGINE LOG
Completed a 50 hour inspection using the CDC AMM chapter 5 checklist. Drained and sampled oil. Removed and opened oil filter for inspection-no metal noted. Installed a new oil filter and safetied. Serviced engine with 8qts X-C 20w50. Washed engine down. Ground run good-no leaks noted. Details are on file under W.O. 20926.						
 Wesley A. Johnson Executive Beechcraft inc. 280 Gardner Drive New Century, Ks. 66031 CRS YEBR071L						
10-6-2009					288.2 FLIGHT	288.2 TOTAL TIME N388DH ENGINE LOG
Completed an Annual inspection using Cirrus Design AMM chapter 5-20 Scheduled Maintenance Checks as a guide. Compressions are as follows; 1-72/80 2-76/80 3-72/80 4-74/80 5-76/80 6-74/80. Cleaned, gapped and rotated the spark plugs. Drained the oil and took sample. Removed and cut open the filter for inspection. No metal noted. Serviced the engine with 8 qts. Phillips X-C 20W50. Installed new filter and safety. Washed down the engine. Performed ground run. No leaks or defects noted.						
I certify this engine has been inspected in accordance with an Annual Inspection and determined Airworthy. See W.O. 20992 for details.						
 Wesley A. Johnson Executive Beechcraft Inc. 280 Gardner Drive New Century, Ks. 66031 CRS YEBR071L						

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

12-3-2009

Hobbs: 334.6

N388DH Engine Log

Drained oil and took sample. Removed filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. See W.O. 21060 for details.



 Anthony D. Stanton
 Executive Beechcraft Inc.
 280 Gardner Drive
 New Century, Ks. 66031
 CRS YEBR071L

4-8-2010

Hobbs: 382.6

N388DH Engine Log

Completed a 100 hour inspection per TCM IO-550-N maintenance manual chapter 5. Compressions are as follows; 1-74/80 2-71/80 3-74/80 4-72/80 5-77/80 6-72/80. Replaced the #1 and #5 injector line clamps with new. Removed oil cooler S/N A09-7684-17 and installed TCM new P/N 654585 S/N E09-7684-136. Set magneto timing to 22 degrees BTDC. Removed, cleaned and reinstalled fuel injectors using new seals and gaskets. Removed, cleaned, rotated and reinstalled spark plugs. Drained oil and took sample. Removed filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50. Washed down the engine and performed ground run. No leaks or defects noted. See W.O. 21165 for details.



 Anthony D. Stanton
 Executive Beechcraft Inc.
 280 Gardner Drive
 New Century, Ks. 66031
 CRS YEBR071L

7-7-2010

435.8 HOBBS

N388DH Engine Log

Drained the oil and took sample. Removed the filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts of Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. Details are on file under W.O. 21264.

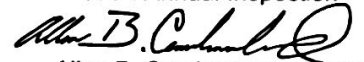

 Anthony D. Stanton
 Executive Beechcraft inc.
 280 Gardner Drive
 New Century, Ks. 66031
 CRS YEBR071L

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	→				

10-5-2010 488.3 FLIGHT 488.3 TOTAL TIME N388DH ENGINE LOG

Completed an Annual inspection using Cirrus Design AMM chapter 5-20 Scheduled Maintenance Checks as a guide. Compressions are as follows; 1-72/80 2-72/80 3-74/80 4-72/80 5-78/80 6-71/80. Cleaned, gapped and rotated the spark plugs. Drained the oil and took sample. Removed and cut open the filter for inspection. No metal noted. Serviced the engine with 8 qts. Phillips X-C 20W50. Installed new filter and safety. Removed oil cooler P/N 654585, S/N F09-7684-136. Installed overhauled oil cooler P/N 654585, S/N D07-5672-158 from CRS# 112R899K. Blended sump rail to gain clearance between oil cooler and the sump rail. Removed #3 cyl & valve assy, S/N AC08HA148, and piston and rings. Installed new #3 cyl and valve assy P/N 655932A4, S/N AC10FA140, with new piston and rings. Performed 500 hour magneto inspection. Installed new #1 fuel injector line support clamp. Washed down the engine. Performed ground run. No leaks or defects noted.

I certify this engine has been inspected in accordance with an Annual Inspection and determined Airworthy. See W.O. 21351 for details.



Allen B. Cumberland
Executive Beechcraft Inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

11-12-2010 530.2 HOBBS N388DH Engine Log

Drained the oil and took sample. Removed the filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts of Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. Details are on file under W.O. 21395-11-2010.



Timothy Chanay
Executive Beechcraft inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

01-14-2011 579.02 HOBBS N388DH Engine Log

Drained the oil and took sample. Removed the filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts of Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. Tightened the number 2 alternator drive belt adjustment. Details are on file under W.O. 21436-01-2011.



Timothy Chanay
Executive Beechcraft inc.
280 Gardner Drive
New Century, Ks. 66031
CRS YEBR071L

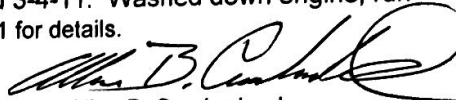
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

03-29-2011

Hobbs: 629.9

N388DH ENGINE LOG

Changed oil and filter, oil sample taken, serviced engine with 8 qts Phillips 20/50 X/C oil. Installed new starter drive adapter, see 8130-3 dated 2-11-11. Installed new starter, see 8130-3 dated 3-4-11. Washed down engine, run up, no leaks noted. See W.O. 21501-03-2011 for details.



Allen B. Cumberland
 Signature TechnicAir
 280 Gardner Drive
 New Century, Kansas 66031
 CRS YEBR071L

6-10-2011

Hobbs: 679.8

N388DH Engine Log

Drained oil and took sample. Removed the filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 7qts. Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. See W.O. 21581-06-2011 for details.



Anthony D. Stanton
 Signature TechnicAir
 Aircraft Maintenance
 280 Gardner Drive
 New Century, KS 66031
 CRS YEBR071L

8-12-2011

Flight Hobbs: 726.5

N388DH Engine Log

Drained oil and took sample. Removed the filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. See W.O. 21640-08-2011 for details.



SIGNATURE
TECHICAIR
 Aircraft Maintenance
 BBA Aviation



Anthony D. Stanton
 Signature TechnicAir
 Aircraft Maintenance
 280 Gardner Drive
 New Century, KS 66031
 CRS# YEBR071L

Date

Brought Forward

11-01-2011 Hobbs: 781.2

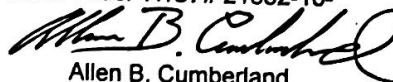
N388DH ENGINE LOG

rd
ns,

Completed an Annual Inspection using the 14 CFR part 43 appendix D checklist. Compression test: #1 72/80, #2 70/80, #3 74/80, #4 68/80, #5 70/80, #6 73/80. Changed oil and filter, oil sample taken. Serviced with 8 qts Phillips 20/50 X/C. Serviced fuel injectors. Cleaned and gapped sparkplugs. Replaced A/C drive assembly. Replaced LH muffler. Replaced #1 & #4 exhaust stacks. Replaced Brackett air filter element. Washed down engine, run up and checked for leaks.

I certify this engine has been inspected in accordance with an Annual Inspection and determined Airworthy. Details of this inspection are on file under W.O. # 21682-10-2011.

SIGNATURE
 **TECHNICAIR**
Aircraft Maintenance
BBA Aviation


Allen B. Cumberland
Signature TechnicAir
Aircraft Maintenance
280 Gardner Drive
New Century, KS 66031
CRS YEBR071L

11-28-2011 Flight Hobbs: 832.6

N388DH Engine Log

Drained oil and took sample. Removed the filter and cut open for inspection. No metal noted. Installed new filter and safety. Serviced the engine with 8 qts. Phillips 20W50 X/C. Washed down the engine and performed ground run. No leaks noted. See W.O. 21710-11-2011 for details.

SIGNATURE
 **TECHNICAIR**
Aircraft Maintenance
BBA Aviation


Allen B. Cumberland
Signature TechnicAir
Aircraft Maintenance
280 Gardner Drive
New Century, KS 66031
CRS# YEBR071L

03-06-2012 Flight Hobbs: 882.8

N388DH Engine Log

Drained oil removed filter and opened for inspection. No evidence of abnormal wear noted. Installed new filter (CH48108) saftied and filled the engine with 8 quarts of Phillips 20W50 X/C. Washed down engine and performed ground run. No leaks noted. See W.O. 21774-03-2012 for details.

SIGNATURE
 **TECHNICAIR**
Aircraft Maintenance
BBA Aviation


William D. Hicks
Signature TechnicAir
Aircraft Maintenance
280 Gardner Drive
New Century, KS 66031
CRS# YEBR071L

Date

Brought Forward



Signature TechnicAir, Inc

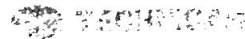
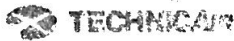
• 280 Gardner Drive • New Century KS. 66031 • 913-791-0017

Engine	Reg No: N388DH	SN: 3280	Date: 5/4/2012
Mfg: Cirrus	Model: SR22		
Eng Mfg: Teledyne Continental	Model: IO-550N		SN: 691929
Hobbs: 1070.3	Flight: 933.8		

Drained oil obtained sample and removed filter. Opened filter and inspected elements. No excessive debris or evidence of abnormal wear noted. Installed new CH48108 Filter and filled with 8 quart of Phillip XC 20W/50 oil. Leak and operational checks satisfactory at this time.

This article was repaired in accordance with current regulations of the Federal Aviation Administration. It was found to be airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file at this repair station under work order no. 21818-05-2012

Inspector Signature *[Signature]* William D. Hicks
Signature TechnicAir, Inc - MKC - FAA CRS # YEBR071L



Signature TechnicAir, Inc

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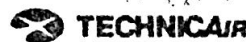
Engine

Type: SR22	Reg No. N388DH	SN: 3280	Date: 9-14-2012
Acft Mfg: Cirrus	Model: SR22		
Hobbs: 1178.7	Flight or ACTT: 1030.0		

Removed filter and drained oil. Opened filter and inspected elements. No unusual debris or evidence of abnormal wear noted. Installed new CH48108-1 oil filter and refilled with 8 quarts of Phillips X/C 20W50 oil. Washed down engine. Leak and operational check satisfactory at this time.

This article was repaired in accordance with current regulations of the Federal Aviation Administration. It was found to be airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under work order no: X21954

Inspector Signature *[Signature]*
Signature TechnicAir, Inc - IXD - FAA A&P or CRS # AKGR142C



Signature TechnicAir, Inc

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Engine	Reg No. N388DH	SN: 22-3280	Date: 10/30/2012
Acft Mfg: Cirrus Design Corp	Model: SR22		
Eng Mfg: Continental	Model: IO-550N (48)	Eng SN: 691929	
Hobbs: 1232.1	Flight or ACTT: 1080.6		

Completed Annual/100Hr inspection utilizing Cirrus Checklist Cirrus MM 05-20
Completed 500 Hr Magneto Inspection
Completed 300Hr Inspection/Cleaning of Injector Nozzles
Compression Readings: 1-75 3-70-5 2-65 4-70 6-70
Drained oil and removed and opened filter. Inspected filter elements no unusual debris or evidence of abnormal wear noted. Installed new PN CH48108-1 filter and filled with 8 quarts of Phillips XC 20W50 oil
Installed new bolts on both exhaust collectors cleaned and installed new bolts on ball joints
Installed new Induction Air Filter PN BA-24
Installed new PN 649950 gasket on #4 intake

This article was repaired in accordance with current regulations of the Federal Aviation Administration and has been inspected in accordance with an Annual Inspection per 14CFR 91.409(a)(1). It was determined to be in airworthy condition and is approved for return to service. Pertinent details are of file under work order no: X21978

Inspector Signature *[Signature]* William D. Hicks
Signature TechnicAir, Inc - IXD - FAA CRS # AKGR142C

Date



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701 NW Lou Holland Dr. Kansas City MO 64116

Brought Forward

ENGINE	S/N 691929		AIRCRAFT	S/N 22-3280		
REG. NO.	DATE:	HOBBS	FLIGHT			
N388DH	1/14/2013	1284.1	1126.6	enter text	enter text	enter text

Drained oil removed and opened filters and inspected elements no unusual debris or evidence of abnormal wear noted. Installed new CH48108-1 filter filled with 8 quarts of Phillips XC 20W/50 oil and washed down engine. Removed oil pressure switch and installed new oil pressure switch P/N on 12635-002. Leak and operational checks are satisfactory at this time.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: M7291

Inspectors Signature: William D. Hicks William D. Hicks

Signature TechnicAir - KMKC FAA certified repair station AKGR142C enter text



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ENGINE	S/N 691929					
REG. NO.	DATE:	HOBBS	ENG TT			
N388DH	6/26/2013	1345.2	1179.4			

- 1) Drained oil, took oil sample for SOAP, removed oil filter and cut open, checked for contamination, metal particles, checked OK. Installed new oil filter, CH48108-1, serviced engine with 8 QTS. Phillips XC 20W50.
- 2) Completed engine fuel system pressure checks as outlined in TCM SID 97-3, all pressures in the upper end of the limits.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: M7518

Inspectors Signature: Richard E. Anderson Richard E. Anderson

Signature TechnicAir - KMKC FAA certified repair station AKGR142C enter text



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ENGINE	S/N 691929					
REG. NO.	DATE:	HOBBS	ENG TT			
N388DH	9/12/2013	1399.4	1227.7			

Drained oil, took a SOAP sample, and removed filter. Cut open filter to check for metal, none found. Installed new filter CH48108-1, and serviced engine with 8 quarts of Phillips XC20W50. Washed engine down, and re-installed cowling. Performed ground run, leak check good. REF: Cirrus AMM, 12-10.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-13-007636

Inspectors Signature: Jennifer Rogers Jennifer Rogers

Signature TechnicAir - KMKC FAA certified repair station AKGR142C enter text



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ENGINE	S/N 691929				
REG. NO.	DATE:	FLIGHT	HOBBS	ENGT	
N388DH	10/23/2013	1243.8	1417.4	1243.8	

Brought

- Completed Annual Inspection in accordance with Cirrus Scheduled Inspection Report 05-20, dated May 31, 2011.
- Completed compression check: #1-71/80, #2-71/80, #3-70/80, #4-72/80, #5-73/80, #6-74/80.
- Completed oil change, and inspected filter. Installed CH 48108-1 filter, and serviced with 8 quarts of Phillips XC 20 W50.
- Completed SOAP sample, results came back in the normal range.
- Serviced AIRWOLF air/oil separator, and repositioned lines to avoid chafing oil cooler.
- Installed 12 new spark plugs, PN: YRHB32S.
- Installed new Brackett induction air filter, PN: BA-24.
- Serviced fuel gascolator and installed new O ring, PN: MS29513-137.
- Reinstalled # 5 cylinder injection line clamp, and secured with safety wire.
- Installed new screws on heat muff shroud.
- Secured oil pump housing hardware because of accessory case leak.
- Complied with 500 Hour/12 Month Engine Mount Weldmount Attach Fittings Re-Torque.

I certify that this Powerplant has been inspected in accordance with and ANNUAL 14 CFR 91.409 (a)(1) inspection and was determined to be in airworthy condition, and is approved for return to service.
Pertinent details are on file at this repair station under work order .MKC-13-007658.
Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC FAA certified repair station AKGR142C



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ENGINE	S/N 691929				
REG. NO.	DATE:	HOBBS	FLIGHT		
N388DH	12/31/2013	1469.6	1289.3		

- Drained oil, collected SOAP sample, and removed filter. Opened and inspected filter. No metal noted.
- Installed new filter, PN: CH48108-1. Serviced engine with 8 quarts of Phillips 20w50 oil.
- Washed engine and performed ground run. No leaks noted at this time.
- Removed erratic Manifold Pressure Sensor, PN: 12635-001, and installed new sensor, PN: 12635-003. Performed ground run, operational check good.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order MKC-13-007727.
Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC FAA certified repair station AKGR142C



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ENGINE	S/N 691929				
REG. NO.	DATE:	HOBBS	FLIGHT	A/C TT	ENG TT
N388DH	3/19/2014	1523.4	1336.3	1336.3	1336.3

- Drained oil, took a SOAP sample, and removed filter. Cut open filter to check for metal, none found. Installed new filter CH48108-1, and serviced engine with 8 quarts of Phillips XC20W50.
- Washed engine down, and re-installed cowling. Performed ground run, leak check good. REF: Cirrus AMM, 12-10.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-14-007804.
Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC FAA certified repair station AKGR142C



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ENGINE	S/N 691929				
REG. NO.	DATE:	HOBBS	FLIGHT		
N388DH	6/6/2014	1578.2	1384.8		

-Drained oil and collected SOAP sample. Cut open filter, found no abnormal debris. Installed new filter, PN: CH48108-1, and serviced with 8 quarts of Phillips 20W50 XC. Performed ground run, no leaks noted.
-Visually inspected oil pressure transducer and checked and cleaned the connection.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-14-007879.

Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC A&P 349944 IA

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ENGINE	S/N 691929			
REG. NO.	DATE:	HOBBS	A/C TT	
N388DH	9/11/2014	1633.7	1437.5	

-Drained oil, collected SOAP sample, and removed filter. Opened and inspected filter. No metal noted. Installed new oil filter, PN: CH48108-1. Serviced engine with 8 quarts of Phillips 20w50 oil. Washed engine and performed ground run. No leaks noted at this time.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-14-007964.

Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC A&P 3409944 IA



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ENGINE	S/N 691929				
REG. NO.	DATE:	HOBBS	A/CTT	ENGT	TSO
N388DH	10/29/2014	1658.6	1456.6	1456.6	0.0

Performed Annual inspection in accordance with Cirrus Scheduled Inspection Report, Chapter 05-20, dated May 31, 2011.

- Engine compressions: #1-67/80, #2-64/80, #3-73/80, #4-71/80, #5-61/80, #6-73/80.
- Drained oil, collected SOAP sample, and cut open filter. Found no abnormal debris. Installed new filter, PN: CH48108-1, and serviced with 8 quarts of Phillips XC20W50.
- Performed 500 Hour Magneto Inspection on both magnetos:
Left Mag, PN: S6RSC-25, SN: D08HA017, installed new contact, PN: 10-382584, new capacitor, PN: 10-349276, primary coil, PN: 10-357165-1, and carbon brush, PN: 10-160884. Impulse coupling X Factor: .022.
Right Mag, PN: S6RSC-25, SN: D08HA035, installed new contact, PN: 10-382584, new capacitor, PN: 10-349276, impulse coupling, PN: 10-51324, and carbon brush, PN: 10-160884. Impulse coupling X Factor: .022.
- Completed 12 Month / 300 Hour Fuel Injector Nozzle Service.
- Installed new Brackett Air Filter, PN: BA-24.
- Adjusted air conditioning compressor belt to proper tension.

I certify that this Powerplant has been inspected in accordance with and ANNUAL 14 CFR 91.409 (a)(1) inspection and was determined to be in airworthy condition, and is approved for return to service. Pertinent details are on file at this repair station under work order MKC-14-008022.

Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC A&P 3409944 IA



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ENGINE	S/N 691929		
REG. NO.	DATE:	HOBBS	FLIGHT
N388DH	1/10/2015	1706.2	1498.5

-Drained oil and cut open filter, no unusual debris found. Installed new filter, PN: CH48108-1, and serviced with 8 quarts of Phillips XC 20W50. Performed ground run, no leaks noted at this time.
-Removed erratic oil pressure switch, PN: 12635-004, and installed new, PN: 12635-004. Ops and leak check good.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-14-008030.

Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC A&P 3409944 IA



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AIRCRAFT	S/N 691929			
REG. NO.	DATE:	HOBBS	FLIGHT	ENG TT
N388DH	3/23/2015	1756.0	1543.0	1543.0

Drained oil, collected SOAP sample, and removed filter. Cut open and inspected filter. No abnormal debris noted. Installed new oil filter, PN: CH48108-1, and serviced engine with 8 quarts of Phillips 20W50. Washed engine and performed ground run. No leaks noted at this time.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008197.

Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC A&P 3409944 IA



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AIRCRAFT	S/N 691929				
REG. NO.	DATE:	HOBBS	A/C TT	ENG TT	ENG TSO
N388DH	5/21/2015	1803.8	1586.3	1586.3	0.0

Drained oil, collected SOAP sample, and removed filter. Cut open and inspected filter. No abnormal debris noted. Installed new oil filter, PN: CH48108-1, and serviced engine with 8 quarts of Phillips 20W50. Washed engine and performed ground run. No leaks noted at this time.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008265.

Inspectors Signature: Gil Martinez Gil Martinez
Signature TechnicAir - KMKC A&P 3624806



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ENGINE	S/N 691929		
REG. NO.	DATE:	HOBBS	FLIGHT
N388DH	7/13/2015	1849.4	1628.3

Performed ground run, drained oil and collected a SOAP sample. Cut open filter, and found no unusual debris. Installed new filter, PN: CH48110-1, and serviced with 8 quarts of Phillips XC 20W50. Washed down engine. Performed ground run, no leaks noted at this time.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008330.

Inspectors Signature: Jennifer Rogers Jennifer Rogers
Signature TechnicAir - KMKC AP 3409944 IA

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GR ENGINE

AIRCRAFT	S/N 691929				
REG. NO.	DATE:	HOBBS	FLIGHT	ENG TT	ENG TSO
N388DH	9/2/2015	1865.3	1642.6	1642.6	0.0

-Drained oil and cut open oil filter, found no unusual debris. Installed new filter, PN: CH48108-1, and serviced engine with 8 quarts of Aeroshell 100 Plus. Performed ground run, no leaks noted at this time.
-Installed new #1 fuel injection line, PN: 646611, new clamp, PN: 652436, and new bracket, PN: 652436-1. Pressure tested for leaks, none noted.
-Installed new mixture arm, PN: 656209-10, new rod end, PN: 11314-003, and new bolt, PN: AN3-10. Rigged so arm hit both stops, and performed ground run with all engine parameters met.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008396.

Inspectors Signature: *Gil Martinez* **Gil Martinez**
Signature TechnicAir - KMKC **A&P 3624806**

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ENGINE	S/N 691929				
REG. NO.	DATE:	FLIGHT	A/C TT	ENG TT	TSO
N388DH	12/4/2015	1905.2	1679.1	1679.1	0.0

Removed this engine from this airframe for overhaul. Total time is listed above.

This article was repaired in accordance with the current regulation of the Federal Aviation Administration. It was found to be airworthy with respect the work preformed and is approved for return to service. Pertinent details are on file at this repair station under work order: MKC-15-008440.

Inspectors Signature: *Jennifer Rogers* **Jennifer Rogers**
Signature TechnicAir - KMKC **A&P 3409944 IA**

ENGINE MODEL: IO-550-N **Clear Star Aviation**
(7)
ENGINE S/N: 686886 Repair Station No. 5CSR009B
REG. NO: N816LT 4765 Frank Luke Dr
WORK ORDER: 200652 Addison, TX 75001
Phone: 972-267-2376

DATE: 6/2/2017
A/C TSN: 2360.1
ENG TT: 171.4
HOBBS: 2360.1

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30. Checked the fuel system in accordance with SID 97-3E..The cylinder compression was checked with the following results: #1, 72/80 #2, 72/80 #3, 74/80 #4, 72/80 #5, 72/80 #6, 72/80 psi. Master orifice 42/80..The oil and filter was changed and serviced with 8 quarts of Phillips 20W-50 X/C and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories..Replaced oil cooler gasket P/N 649989 and both 649961 washer gaskets

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. 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 5CSR009B.

DATE: 6/2/2017

SIGNED: *[Signature]*

Work Order: 200652

Longaker, Doug
Certified Repair Station No. 5CSR009B

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