

N818RN

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. _____

Manufacturer: Teledyne Continental **Model** IO-360 ES(21)

Serial: 320267

Type Certificate: EICE REV-17

**This engine is currently installed
in aircraft:** SR-20 N818RN

Minimum Octane Fuel: 100/130
LL

Oil Grade *Summer:* 50W
Winter: 40W

Magneto Time: 24° BTC

Spark Plug Gap: .016 - .021

Firing Order: 1-6-3-2-5-4

**Manufacturer's Recommended
TBO at 2000 hours**

Comments:

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

P.O. Box 1359 / Southold, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

TOTAL
TIME
IN
SERVICE

DATE

This document is to serve as a certification of
Overhaul and Block Test Run by
Certified Engines Unlimited, Inc.

G WORK

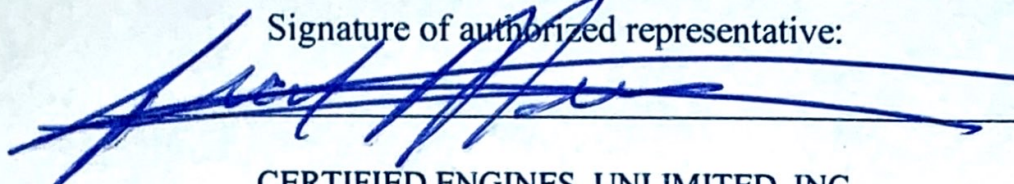
MFG: T.C.M MODEL: IO-360 ES(21)
S/N: 320267 TOTAL TIME: 1998.00 hrs

AD NOTES: SEE REAR OF LOGBOOK

Pertinent details of the work performed are on file at this agency under

Invoice/Work Order: 68733 / 52092 Date: 03/21/2019

Signature of authorized representative:



CERTIFIED ENGINES UNLIMITED, INC.
1630 S.W. 75th Ave/W. Hangar, Pembroke Pines, FL 33023 USA
Phone: 305-685-8331 Email: allen@ceu.aero
EASA.145.4301 FAA CRS KG4R309M
INAC OMAC-E # 264

CERTIFIED ENGINES UNLIMITED, INC. FAA CRS# KG4R309M
1630 SW 75th Ave. Pembroke Pines, Florida 33023 Phone : (305)685-8331
LIMITED OVERHAUL WARRANTY

1. **Subject Matter and Scope of Warranty.** Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational periods listed or to any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part.
2. **Time Limits.** This Warranty for parts and labor extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. CEU considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours a month, regardless of actual operation hours.
3. **Express Conditions.** As a time and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines.
4. **Proper maintenance logbooks are to be kept by and maintained by the customer and shall be furnished to CEU on demand as a condition of the Warranty.**
5. **Limitations and Exclusions.** All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges in the removal and reinstallation of defective parts or engines.
6. **THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.**
7. **LIMITATION ON LIABILITY.** IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGE, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.
8. **CRACKED CYLINDERS AND CRANKCASES ARE EXCLUDED FROM ALL WARRANTIES UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.**

MAINTENANCE RELEASE



FAA CRS# KG4R309M

The aircraft engine and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

CAUTION!

This engine has been run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.

CAUTION!

Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul. eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.

For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.

Pertinent details of the repair are on file at this agency under:

INV/WO# 68733/52092 Date 03/21/2019

Signed 
(Signature of authorized individual)

For: Certified Engines Unlimited



Default
1630 SW 75th Ave
Pembroke Pines FL 33023
USA

Phone: 305-685-8331

FAA Airworthiness Directives Compliance Record

Company:

Category: Engine

Manufacturer: Teledyne Continental

Model: IO-360-ES

Position:

P/N: IO-360-ES(6)

S/N: 320267

Aircraft Registration No:

ATP Revision: 03/21/2019

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2012-03-06 C 02/24/2012	To prevent an in-flight engine shutdown due to a failed fuel servo diaphragm, and damage to the airplane	03/21/2019 Hrs: -- C: --	N/A AVStar Fuel Systems	No	D: -- Hrs: -- C: --	Certified Engine Unlimited KG4R309M/Part 145 CRS Frank Neves JR
2011-26-07 01/24/2012	To prevent engine failure and loss of control of the airplane due to migration of the magneto impulse, contd.	03/21/2019 Hrs: -- C: --	N/A Slick Magneto NOT INSTALLED AT TIME OF ENGINE OVERHAUL	No	D: -- Hrs: -- C: --	Certified Engine Unlimited KG4R309M/Part 145 CRS Frank Neves JR
2010-11-04 06/16/2010	To prevent excessive hydraulic lifter wear, which can result in loss of engine power & loss of control of the airplane	05/21/2018 Hrs: -- C: --	N/A PART NUMBER. PART NUMBER SA633106 AT TIME OF ENGINE OVERHAUL	No	D: -- Hrs: -- C: --	Certified Engine Unlimited KG4R309M/Part 145 CRS Frank Neves JR
2009-24-52 E 11/18/2009	Superseded by 2010-11-04	03/21/2019 Hrs: -- C: --	Superseded by AD 2011-26-07.	No	D: -- Hrs: -- C: --	Certified Engine Unlimited KG4R309M/Part 145 CRS Frank Neves JR
2009-24-51 E 11/16/2009	Superseded by 2009-24-52	03/21/2019 Hrs: -- C: --	Superseded by AD 2009-24-52 E.	No	D: -- Hrs: -- C: --	Certified Engine Unlimited KG4R309M/Part 145 CRS Frank Neves JR

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2002-13-04 C 07/12/2002	To prevent engine failure and loss of control of the airplane due to migration of the magneto impulse, contd.	03/21/2019 Hrs: -- C: --	Superseded by AD 2011-26-07.	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
2000-23-21 12/12/2000	To prevent crankshaft connecting rod journal fracture, which could result in total engine power, contd.	03/21/2019 Hrs: -- C: --	N/A CRANKSHAFT S/N N06FA008 CHECK NOT ON LIST AT TIME OF ENGINE OVERHAUL	Yes	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
2000-11-51 E 06/07/2000	Superseded by 2002-13-04	03/21/2019 Hrs: -- C: --	Superseded by AD2002-13-04	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
2000-08-51 E 04/28/2000	Superseded by 2000-23-21	03/21/2019 Hrs: -- C: --	Superseded by AD2000-23-21	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
97-26-17 C 01/23/1998	TO PREVENT CRANKSHAFT FAILURE AND SUBSEQUENT ENGINE FAILURE	03/21/2019 Hrs: -- C: --	C/W BY crankshaft manufactured using the VAR process. and conduct an ultrasonic inspection of the crankshaft	Yes	D: -- Hrs: every subsequent c C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
93-10-02 08/12/1993	TO PREVENT AN ENGINE FAILURE DUE TO A MISSING CYLINDER VALVE RETAINER KEY	03/21/2019 Hrs: -- C: --	N/A FACTORY NEW CYLINDERS S/N OK	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
92-04-09 06/22/1993	TO PREVENT ENGINE FAILURE CAUSED BY FAILURE OF THE ROCKER SHAFT HOLD DOWN STUD	03/21/2019 Hrs: -- C: --	C/W BY rocker arm shaft hold down stud nut torqued in accordance with TCM SB No. M92-4,	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
92-02-20 E R1 02/03/1992	Superseded by 92-04-09	03/21/2019 Hrs: -- C: --	This AD has been superseded by AD 92-04-09 as of 03/FEB/92	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
91-19-03 09/29/1991	TO PREVENT OPERATION WITH COLLAPSED OIL FILTER ELEMENTS, WHICH CAN RESULT IN LOSS OF OIL PRESSURE, CONTD.	03/21/2019 Hrs: -- C: --	N/A date codes	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES
88-03-06 04/15/1988	TO PREVENT POSSIBLE LOSS OF ENGINE OIL AND SUBSEQUENT ENGINE FAILURE	03/21/2019 Hrs: -- C: --	N/A oil filter TCM P/N 649309 or 649310 is not installed.	No	D: -- Hrs: N/A C: --	Certified Engines Unlimited, Inc. KG4309M/FAA REPAIR STATION FRANK NEVES

Category: Magnetos

Position:

ATP Revision: 03/21/2019

Manufacturer: Bendix Corporation

P/N: 10-500556-3

Model: S-200 SERIES

S/N: D11AA076

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
94-01-03 R2 06/28/1995	TO PREVENT MAGNETO FAILURE AND SUBSEQUENT ENGINE FAILURE	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
94-06-09 05/20/1994	TO PREVENT INJURY OR DEATH TO GROUND PERSONNEL DUE TO A NON- GROUNDED MAGNETO	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
82-20-01 06/14/1983	TO PREVENT FAILURE OF IMPULSE COUPLING DUE TO IMPROPERLY HEAT TREATED (SOFT) FLYWEIGHTS RESULTING IN ENGINE, CONTD.	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
74-26-09 12/24/1974	S-20,-200,-1200 SERIES MAGNETOS	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
73-07-04 10/11/1973	Superseded by 94-01-03	03/21/2019 Hrs: -- C: --	Superseded by 94-01-03	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.

Category: Magnetos

Position:

ATP Revision: 03/21/2019

Manufacturer: Bendix Corporation

P/N: 10-500556-3

Model: S-200 SERIES

S/N: D16AA38R

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
94-01-03 R2 06/28/1995	TO PREVENT MAGNETO FAILURE AND SUBSEQUENT ENGINE FAILURE	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
94-06-09 05/20/1994	TO PREVENT INJURY OR DEATH TO GROUND PERSONNEL DUE TO A NON- GROUNDED MAGNETO	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
82-20-01 06/14/1983	TO PREVENT FAILURE OF IMPULSE COUPLING DUE TO IMPROPERLY HEAT TREATED (SOFT) FLYWEIGHTS RESULTING IN ENGINE, CONTD.	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
74-26-09 12/24/1974	S-200,-200,-1200 SERIES MAGNETOS	03/21/2019 Hrs: -- C: --	C/W BY OVERHAUL QUALITY AIRCRAFT ACCESSORIES, INC CRS# 9QFR310C	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
73-07-04 10/11/1973	Superseded by 94-01-03	03/21/2019 Hrs: -- C: --	Superseded by 94-01-03	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.

1. Approving Civil Aviation
Authority/Country:

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address:

Quality Aircraft Accessories, Inc. 1072 NW 53rd St Fort Lauderdale, FL 33309
Repair Station #9QFR310C

3. Form Tracking Number:

QAA#WO 034939

5. Work Order/Contract/Invoice
Number:

034939

11. Status/Work:

OVERHAULED

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:
1	MAGNETO	10-500556-3	1	D16AA386R

12. Remarks: COMPLETE DETAILS / RECORDS FOR THIS UNIT ARE ON FILE AT THE RESPECTIVE REPAIR STATION AND AVAILABLE ON REQUEST



CSB641 CAPACITOR (AD 94-06-09)



MSB644 COIL & ROTOR (AD 94-01-03R2)



MSB645 IMPULSE INSPECTION (AD 2005-12-06)



SB670 MAGNETO DIST. BLOCK INSPECTION

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

MANUAL: X42002-3. ISSUE DATE: 08/11

MECH: AR

13.a Certifies the items 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:

14b. Authorized Signature:

14c. Approval/Certificate No.:

9QFR310C

13d. Name (Typed or Printed):

14d. Name (Typed or Printed):

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

Samuel R Sirico

29 JAN 2018

User/installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 parts/components/assemblies 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.

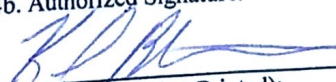
1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA#WO 041642	
4. Organization Name and Address:		Quality Aircraft Accessories, Inc. 1072 NW 53 rd St Fort Lauderdale, FL 33309 Repair Station # 9QFR310C				5. Work Order/Contract/Invoice Number: 041642	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:		
1	MAGNETO	10-500556-3	1	D11AA076	OVERHAULED		
12. Remarks: COMPLETE DETAILS / RECORDS FOR THIS UNIT ARE ON FILE AT THE RESPECTIVE REPAIR STATION AND AVAILABLE ON REQUEST <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> CSB641 CAPACITOR (AD 94-06-09) <input type="checkbox"/> MSB644 COIL & ROTOR (AD 94-01-03R2) </div> <div style="width: 45%;"> <input checked="" type="checkbox"/> MSB645 IMPULSE INSPECTION (AD 2005-12-06) <input checked="" type="checkbox"/> SB670 MAGNETO DIST. BLOCK INSPECTION </div> </div> <p>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.</p> <p>RECORDS OF WORK PERFORMED ARE MAINTAINED ON FILE AND WILL BE FURNISHED ON REQUEST</p> <p>MANUAL: X42002-3. ISSUE DATE: 08/11 OVERHAULED MECH: CJS</p>							
13a. Certifies the items 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:				14b. Authorized Signature:		14c. Approval/Certificate No.:	
						9QFR310C	
						06 AUG 2018	
13d. Name (Typed or Printed):				14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
						Samuel R Sirico	
						06 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 part/component/assembly. 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 parts/components/assemblies 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.							

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number 007265	
4. Organization Name and Address:		SKYLINE ACCESSORIES, LLC 11315 West 57th Place South Sand Springs, OK 74063 (CRS # Y5KR213B)		5. Work Order, Contract, or Invoice Number: WO: 007265 PO: 9480	
6. Item:	7. Description:	8. Part Number	9. Quantity	10. Serial/Batch Number	11. Status/Work:
1	OIL COOLER	646880	1	G02-194-652	Overhauled

12. Remarks

THE WORK PERFORMED WAS ACCOMPLISHED IAW SAP OR THE APPLICABLE CMM OR OTHER F.A.A. APPROVED DATA. THE WORKORDER (SEE BLOCK 3 TRACKING NUMBER) DESCRIBING THE WORK PERFORMED IS ON FILE AT THIS REPAIR STATION. A COMPLETE DESCRIPTION OF WORK PERFORMED IS ON FILE AT THE ABOVE REFERENCED ORGANIZATION UNDER THE WORK ORDER AND SYSTEM TRACKING REFERENCE NUMBER INDICATED IN BLOCKS 3 AND 5.

NOTICE: AN AIRWORTHINESS DIRECTIVE MAY APPLY TO THE ARTICLE(S) DESCRIBED HERON. THE INSTALLER IS RESPONSIBLE FOR ENSURING COMPLETE COMPLIANCE WITH ANY APPLICABLE AIRWORTHINESS DIRECIVES.

13a. Certifies the item identified above were manufactured in conformity to: <input type="checkbox"/> Approved design 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: Y5KR213B
13d. Name (Type or Printed)	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Keith Blair	14e. Date (dd/mmm/yyyy) 22 Sep , 2016



User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1

Statements in Blocks 14 and 19 do no 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: 0052-00-0129005

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																																																																																																				
TOTALS brought forward from previous page																																																																																																								
<p>This Teledyne Continental engine, model IO-360 ES(21), s/n 320267, was Overhauled by Certified Engines Unlimited, Inc., of Pembroke Pines, Florida, according to factory recommended procedures, specifications, limits & pertinent Federal Aviation Regulations.</p> <p>All internal steel parts were magnafluxed by Palm Beach Aircraft Propeller Inc. CRS#LU4R349M all non-ferrous materials checked for cracks. Guidelines from the Continental Overhaul Manual #X30594A were followed at time of overhaul.</p> <p>Installed Bendix Magnetos, OHC by Quality A/C Access, CRS # 9QFR310C. Installed Fuel Injection System, OHC by Great Planes Fuel Metering, CRS # 1GPR022B. Installed Oil Cooler, OHC by Skyline Accessories, CRS # Y5KR213B. All the tags received from the accessory suppliers are located at the rear of this logbook.</p> <p>Installed Camshaft, reground to the manufacturer specifications by Aircraft Specialties, CRS # DD2R764K. The VAR crankshaft assembly, s/n N06FA008, was ultrasonic tested per MSB 96-10B/AD97-26-17, by Palm Beach A/C Prop, CRS # LU4R349M. Six nickel plated OHC Cylinder Assemblies, a new set of spark plugs & a new ignition harness were installed.</p> <p>Certified Engines Unlimited Inc *** Pembroke Pines, Fla 33023 USA *** CRS#KG4R309M Invoice/wo#68733/52092 *** 21 March 2019</p> <p>Authorized Signature:  Frank Neves, Jr.</p> <p>Recommended parts listed in the Continental Overhaul Manual & Service Bulletin SB#97-6 were installed at time of this overhaul--(see list below): *FAA-PMA Parts are frequently substituted for Teledyne Continental Motors factory parts.</p> <table border="0"> <tbody> <tr> <td>4 654586</td> <td>SCREW</td> <td>10 654439-16</td> <td>INTAKE HOSE</td> </tr> <tr> <td>6 SA538684</td> <td>CONN ROD BUSHING</td> <td>4 SA646543-A1</td> <td>GASKET SET</td> </tr> <tr> <td>12 655959</td> <td>BOLT-CONN ROD</td> <td>1 530917</td> <td>SEAL-OIL CRKSHAFT</td> </tr> <tr> <td>12 654487</td> <td>NUT-CONNECTING ROD</td> <td>4 SA639580</td> <td>CRANKSHAFT BLADE BUSHING</td> </tr> <tr> <td>12 SA633106</td> <td>LIFTER</td> <td>1 631928</td> <td>HOSE</td> </tr> <tr> <td>6 SA629690</td> <td>PISTON PIN</td> <td>2 643626-110</td> <td>PIN-CRANKSHAFT C/W</td> </tr> <tr> <td>2 636931</td> <td>NUT-LOCK SELF</td> <td>2 643626-111</td> <td>PIN-CRANKSHAFT C/W</td> </tr> <tr> <td>12 SA22022</td> <td>EXHAUST NUT</td> <td>8 653143</td> <td>PLATE-RETAINER PIN CWT</td> </tr> <tr> <td>1 637083</td> <td>SPRING-O-PRESS REL VLV</td> <td>8 AEC629004</td> <td>RING, RETAINING</td> </tr> <tr> <td>1 539619</td> <td>SPRING OIL PRES REL</td> <td>1 SA646597-A1</td> <td>BEARING SET</td> </tr> <tr> <td>4 36025</td> <td>TAB WASHER</td> <td>12 SA642338</td> <td>CONN ROD BEARING</td> </tr> <tr> <td>25 SA501867</td> <td>WASHER</td> <td>4 654584</td> <td>BOLT</td> </tr> <tr> <td>12 RHM38E</td> <td>SPARK PLUG</td> <td>12 SA402044 P03</td> <td>EXHAUST STUD</td> </tr> <tr> <td>1 KA12778</td> <td>HARNESSE, RED</td> <td>12 SA625957</td> <td>SPRING</td> </tr> <tr> <td>1 CH48108-1</td> <td>OIL FILTER</td> <td>12 SA625958</td> <td>SPRING</td> </tr> <tr> <td>1 641368</td> <td>BEARING NEEDLE</td> <td>12 SA631854</td> <td>ROTO COIL ASSY</td> </tr> <tr> <td>1 502287-3</td> <td>RING-RETAINING-INT</td> <td>24 SA627693</td> <td>ROCKER ARM BUSHING</td> </tr> <tr> <td>1 X13041</td> <td>BEARING-BALL</td> <td>1 654861BP-1</td> <td>PISTON SET-BALANCED(6 EACH)</td> </tr> <tr> <td>1 630680</td> <td>BEARING-ROLLER</td> <td>6 CN112</td> <td>RING SET, NICKEL BORES-360</td> </tr> <tr> <td>1 CAM643109</td> <td>CLUTCH SPRING</td> <td></td> <td></td> </tr> <tr> <td>6 SA646460</td> <td>VALVE, EXHAUST</td> <td></td> <td></td> </tr> <tr> <td>6 SA646459</td> <td>VALVE, INTAKE</td> <td></td> <td></td> </tr> <tr> <td>6 SA639282</td> <td>EXHAUST GUIDE</td> <td></td> <td></td> </tr> <tr> <td>6 655523</td> <td>GUIDE-VALVE INTAKE</td> <td></td> <td></td> </tr> <tr> <td>24 SA627731</td> <td>KEY. VALVE</td> <td></td> <td></td> </tr> </tbody> </table> <p>After final assembly, this engine was run-in on test stand for a period of three hours with all temperatures, pressures & performances within those limits as prescribed by the factory. Oil filter checked clean.</p> <p>Airworthiness directives complied with during this Overhaul are listed at the rear of this logbook. This engine is considered acceptable for return to normal service.</p> <p>Certified Engines Unlimited Inc *** Pembroke Pines, Fla 33023 USA *** CRS#KG4R309M Invoice/wo#68733/52092 *** 21 March 2019</p> <p>Authorized Signature:  Frank Neves, Jr.</p>					4 654586	SCREW	10 654439-16	INTAKE HOSE	6 SA538684	CONN ROD BUSHING	4 SA646543-A1	GASKET SET	12 655959	BOLT-CONN ROD	1 530917	SEAL-OIL CRKSHAFT	12 654487	NUT-CONNECTING ROD	4 SA639580	CRANKSHAFT BLADE BUSHING	12 SA633106	LIFTER	1 631928	HOSE	6 SA629690	PISTON PIN	2 643626-110	PIN-CRANKSHAFT C/W	2 636931	NUT-LOCK SELF	2 643626-111	PIN-CRANKSHAFT C/W	12 SA22022	EXHAUST NUT	8 653143	PLATE-RETAINER PIN CWT	1 637083	SPRING-O-PRESS REL VLV	8 AEC629004	RING, RETAINING	1 539619	SPRING OIL PRES REL	1 SA646597-A1	BEARING SET	4 36025	TAB WASHER	12 SA642338	CONN ROD BEARING	25 SA501867	WASHER	4 654584	BOLT	12 RHM38E	SPARK PLUG	12 SA402044 P03	EXHAUST STUD	1 KA12778	HARNESSE, RED	12 SA625957	SPRING	1 CH48108-1	OIL FILTER	12 SA625958	SPRING	1 641368	BEARING NEEDLE	12 SA631854	ROTO COIL ASSY	1 502287-3	RING-RETAINING-INT	24 SA627693	ROCKER ARM BUSHING	1 X13041	BEARING-BALL	1 654861BP-1	PISTON SET-BALANCED(6 EACH)	1 630680	BEARING-ROLLER	6 CN112	RING SET, NICKEL BORES-360	1 CAM643109	CLUTCH SPRING			6 SA646460	VALVE, EXHAUST			6 SA646459	VALVE, INTAKE			6 SA639282	EXHAUST GUIDE			6 655523	GUIDE-VALVE INTAKE			24 SA627731	KEY. 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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

ENGINE LOGBOOK ENTRY

RFN Holdings LLC	Tail # N818RN TCM IO-360ES21	Tach: 1392.3 Total time:
Date: 03/26/2019	Serial # 320267	TSMOH: 0

Installed this overhauled engine on Cirrus SR20 N818RN. Serviced w/8 qts Phillips 20W50M oil & AA48108-2 filter. Run & leak check satisfactory.

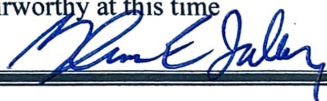


Glenn Juber A&P IA 3438378, 5115 NW 98th Dr, Coral Springs, FL 33076

ENGINE LOGBOOK ENTRY

RFN Holdings LLC	Tail # N818RN TCM IO-360ES21	Tach: 1393.2 Total time: 1998.9
Date: 05/23/2019	Serial #360689	TSMOH: 0.9

Completed annual engine inspection IAW Cirrus Design SR20 MM checklist. Compressions: #1=76, #2=77, #3=76, #4=77, #5=77, #6=76/80 IAW TCM SB03-03. Master orifice reading 43. Inspected old oil filter, installed new AA48108-2 filter, topped engine oil with 1 quart Phillips 20W50XC oil. ADs current through issue 2019-10. I certify that this engine has been inspected IAW an annual inspection and is found airworthy at this time




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SUB-TOTALS this page

TOTALS-Carry forward to next page

RFN Holdings LLC	Tail # N818RN TCM IO-360ES21	Tach: 1392.3 Total time:
Date: 03/26/2019	Serial # 320267	TSMOH: 0

satisfactory.



Glenn Luber A&P IA 3438378 5115 NW

RFN Holdings LLC	Tail # N818RN TCM IO-360ES21	Tach: 1393.2 Total time: 1998.9
Date: 05/23/2019	Serial #360689	TSMQH: 0.9

airworthy at this time



LUHTECH JET

Matthew Hood AP3267745IA

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