All returned engines are to be shipped with this log book Directly to:

Engine Return Department 2039 Broad Street Mobile, AL 36615

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



Teledyne Continental Motors, Inc. www.GenuineContinental.aero

Production Certificate 508

11/16/2010 Printed:

11/09/2010 Test Date:

This engine model TSI0550K1B, serial number 1003147 was manufactured by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



4510 Airport Rd. Cincinnati OH 45226 (513) 321-1200



Engine Flight: 24.7 TSN: 24.7 Inspected engine I/A/W a 25 hour inspection per Cirrus SR22T AMM 13773-001 reissue B dated 15 Jun 2010, Chapter 5-20 and 25 hour institutions. N88BA ENG. S/N: 1003147 Date: 1/19/2011 and 25 hour initial operation inspection per TCM maintenance manual M-18 dated July 30 2009.

The following work was accomplished at this time:

Performed aircraft run-up IAW operational/ functional check chapter 5-30.

Compressions: 1)72/80 2)74/80 3)74/80 4)70/80 5)76/80 6)74/80 master orifice 42psi.

Changed engine oil. Oil sample taken for analysis. Serviced oil with 7 qts of 15w-50wt Aeroshell.

3. Installed new oil filter p/n AA48108-2. 4.

Routine oil sample taken for analysis.

Inspected fuel inlet filter. 6.

Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good. 8. 10.

Airworthiness Directives

All AD's complied with to this date

Service Bulletins

1. All mandatory service bulletins complied with to this date.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA

and is approved for return to service.

Greg Herrmann 406901563IA



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N88BA ENG. S/N: 1003147 Date: 2/9/2011 Engine Flight: 27.4 TSN: 27.4

Pilot reports #4 cylinder no egt, engine running rough, Pulled lifters and cleaned. Reinstalled lifters. Engine run-up checks good

Greg Herrmann 406901563IA



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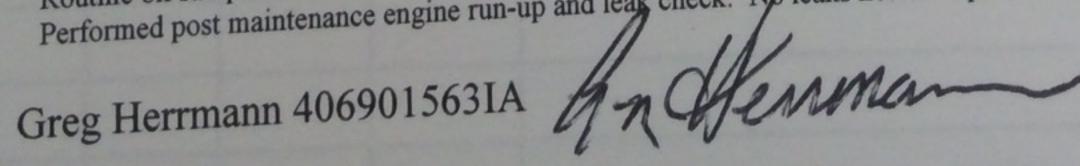
N88BA ENG. S/N: 1003147 Date: 6/2/2011 Engine Flight: 58.0 TSN: 58.0

Inspected engine I/A/W a 50 hour inspection per Cirrus SR22T AMM 13773-001 reissue B dated 15 Jun 2010, Chapter 5-20

Changed engine oil. Serviced oil with a qts of 15w-50wt Aeroshell.

Installed new oil filter p/n AA48108-2.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.



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Modifications and Service Bulletins neouves, special inspections, Min. Hrs. Min. Hrs.

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Engine Flight: 71.8 TSN: 71.8

N88BA ENG. S/N: 1003147 Date: 6/23/2011

Installed new alternator #2. P/N 657199 s/n HL040883. Functional checks normal

Greg Herrmann 406901563IA Greg F



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N88BA ENG. S/N: 1003147 Date: 8/17/2011 Engine Flight: 94.4 TSN: 94.4

Installed new fuel pump p/n 649368-60A7 s/n off: B10JA087, s/n on: B116A250 per TCM maintenance manual chapter 10-2. Adjusted fuel Installed new fuel pump p/n 04350850777 s/n 017 S/n 01 up and leak checks good.

Installed new intake lifter p/n 658088 and exhaust lifter p/n 658077.

Installed new rocker cover gaskets p/n 655705

Service Bulletins Accomplished Cirrus SB 2X-71-17 dated July 21, 2011 by installation of improved intake airbox seals p/n 29486-001 and modifying intake airbox

flange slots per service bulletin instructions.

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N88BA ENG. S/N: 1003147 Date: 6/2/2011 Engine Flight: 99.0 TSN: 99.0

Inspected engine I/A/W a 50 hour inspection per Cirrus SR22T AMM 13773-001 revision B1 dated 31 May 2011, Chapter 5-20

Changed engine oil. Serviced oil with 7 qts of 15w-50wt Aeroshell.

Installed new oil filter p/n AA48108-2.

Routine oil sample taken for analysis. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

Greg Herrmann 406901563IA

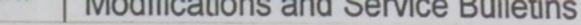


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N88BA ENG. S/N: 1003147 Date: 10/13/2011

Number 4 cylinder compression low. Found lifter pumping up and holding valve open. Removed and installed new cylinder p/n 658178A2 s/n AC11GB390

All resuscellate and seals were Number 4 cylinder compression low. Found litter pumping up and nolding valve open. Removed and installed new cylinder p/n 658178A2 s/n AC11GB390 per TCM overhaul manual M-18 rev April 2011 for Permold TSIO-550 series engine. New piston rings installed on pistons. All new gaskets and seals were





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N88BA S/N: 0066 Date: 12/23/2011 Engine Flight: 139.8 TSN: 139.8

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20.

The following work was accomplished at this time:

Compressions: 1)64/80 2)64/80 3)68/80 4)72/80 5)70/80 6)54/80 master orifice 42psi.

Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell. Installed new oil filter p/n CH48108-1.

Routine oil sample taken for analysis.

Installed new #4 cylinder p/n 658178A3 s/n AC11JB306 per TCM overhaul manual M-18 rev April 2011 for Permold TSIO-550 series engine. New piston installed p/n657989. New piston rings installed on piston. All new gaskets and seals were used. Engine ground run satisfactory. Per TCM SB M89-7R1.

Inspected fuel inlet filter.

Torqued loose rocker box covers screws.

Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

Airworthiness Directives

All AD's complied with to this date

Service Bulletins

SB 2X-71-18 accomplished at this time. LH induction airbox lift kit by installation of kit 70253-002 and oil reservoir p/n 658272 and gasket p/n 652101

SB 2X-74-01 accomplished at this time. Fine wire spark plug replacement by installation of massive electrode plugs p/n RHB-32E.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

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N88BA ENG. S/N: 1003147 Date: 4/13/2012 Engine Flight: 193.5 TSN: 193.5

Inspected engine I/A/W a 50 hour inspection per Cirrus SR22T AMM 13773-001 revision B1 dated 31 May 2011, Chapter 5-20

Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.

Installed new oil filter p/n AA48108-2.

Routine oil sample taken for analysis.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

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N88BA ENG. S/N: 1003147 Date: 4/20/2012 **Engine** Flight: 193.5 TSN: 193.5

Oil cooler found cracked. Removed oil cooler for repair by AWI CRS#UWDR792L under WO# 146115.

Reinstalled oil cooler after repair using new gaskets p/n 649989.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

Service Bulletins

SB 2X-71-19 accomplished at this time. Air oil separator replacement. Installed kit p/n 70259-001

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Engine Flight: 214.4 TSN: 214.4 N88BA ENG. S/N: 1003147 Date: 6/29/2012

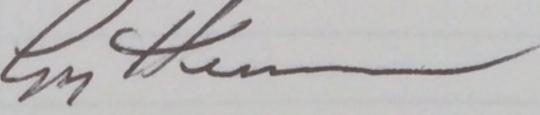
Inspected engine I/A/W a 50 hour inspection per Cirrus SR22T AMM 13773-001 revision B1 dated 31 May 2011, Chapter 5-20

Installed new oil filter p/n AA48108-2.

Routine oil sample taken for analysis.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

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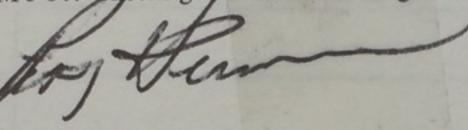


Engine Flight: 254.0 TSN: 303.6 N88BA ENG. S/N: 1003147 Date: 12/4/2012

Left turbo found leaking oil into compressor. Installed new turbocharger asm p/n 646677 s/n off: WILC0171 s/n on: H-PFL00535. Installed per TCM MM 16-5. Installed new turbo flange gasket 636465, oil inlet gasket p/n 652100 and oil outlet gasket p/n 652101.

Engine operational check per Cirrus AMM 5-30. Checks good. Leak checks good.

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N88BA S/N: 1003147 Date: 2/1/2013 Engine Flight: 254.7 TSN: 254.7

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM rev. B1 Chapter 5-20.

The following work was accomplished at this time:

- Compressions: 1)69/80 2)72/80 3)66/80 4)74/80 5)72/80 6)74/80 master orifice 42psi.
- Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
- Installed new oil filter p/n AA48108-2.
- Routine oil sample taken for analysis.
- Cleaned, gapped and tested spark plugs. Installed with new gaskets. Installed 2 new plugs p/n URHB-32E.
- Torqued loose rocker box covers screws.
- Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.
- Performed TCM SID97-3E functional inspection of fuel injection system.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

All AD's complied with to this date

Service Bulletins

- SB 2X-77-04 accomplished at this time. MAP/Oil pressure Sensor Replacement by installation of kit 70264-001. SB 2X-77-04 accomplished at this time. Baffle Gusset installation by installation of kit 70265-001.
- SB 2X-71-25 accomplished at this time. Oil line security by installation of kit 70263-001.
- SB 2X-79-01 accomplished at this time. Alternate Air Assembly Bracket Reinforcement.

SB 2X-71-22 accomplished at this time. Alternate Air Assembly Inspection. Flattened end of hinge so pin cannot migrate out. I certify that this engine has been inspected and repaired in accordance with our

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Greg Herrmann 406901563IA	accordance with ourrent re	gulations of the FAA
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N88BA ENG. S/N: 1003147 Date: 10/17/2013 Engine Flight: 276.2 Hobbs: 331.0

Installed new oil check valve p/n 646717 in oil scavenge system.

Engine operational check per Cirrus AMM 5-30. Checks good. Leak checks good.

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N88BA ENG. S/N: 1003147 Date: 12/17/2013 Engine Flight: 297.4 TSN: 297.4

Inspected engine I/A/W a 50 hour inspection per Cirrus SR22T AMM 13773-001 revision B4 dated 1 Feb 2013, Chapter 5-20

Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.

Installed new oil filter p/n AA48108-2.

Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good. 4.

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N88BA S/N: 1003147 Date: 3/28/2014 Engine Flight: 323.5 TSN: 323.5

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM Chapter 5-20.

The following work was accomplished at this time:

- Compressions: 1)62/80 2)66/80 3)72/80 4)77/80 5)72/80 6)69/80 master orifice 42psi.
- Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
- Installed new oil filter p/n AA48108-2.
- Routine oil sample taken for analysis.
- Cleaned, gapped and tested spark plugs. Installed with new gaskets.
- Inspected fuel inlet filter.
- Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.
- Installed new intake air filters p/n 27166-001
- Performed TCM SID97-3E functional inspection of fuel injection system.
- Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good. 10.

Airworthiness Directives

All AD's complied with to this date

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

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