

Engine Returns

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

Printed: 11/16/2010

Test Date: 11/09/2010

**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.**

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

Engine Service and Maintenance Record

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



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



N88BA ENG. S/N: 1003147 Date: 1/19/2011 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 initial operation inspection per TCM maintenance manual M-18 dated July 30 2009.

The following work was accomplished at this time:

1. Performed aircraft run-up IAW operational/ functional check chapter 5-30.
2. Compressions: 1)72/80 2)74/80 3)74/80 4)70/80 5)76/80 6)74/80 master orifice 42psi.
3. Changed engine oil. Oil sample taken for analysis. Serviced oil with 7 qts of 15w-50wt Aeroshell.
4. Installed new oil filter p/n AA48108-2.
5. Routine oil sample taken for analysis.
6. Inspected fuel inlet filter.
7. Torqued loose rocker box covers screws.
8. Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.
9. Replaced 1 adel clamp on right TKS line p/n MS21919WDG3.
10. 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

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.

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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

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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

1. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
2. Installed new oil filter p/n AA48108-2.
3. Routine oil sample taken for analysis.
4. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

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Brought Fc



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N88BA ENG. S/N: 1003147 Date: 6/23/2011 Engine Flight: 71.8 TSN: 71.8

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

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

1. 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 pressure Per Cirrus MM 73-20. Unmetered fuel pressure adjusted to 23 psi @2480 rpm with 36.3" map with fuel flow of 39.1gph. Engine run up and leak checks good.
2. Installed new intake lifter p/n 658088 and exhaust lifter p/n 658077.
3. 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

1. Changed engine oil. Serviced oil with 7 qts of 15w-50wt Aeroshell.
2. Installed new oil filter p/n AA48108-2.
3. Routine oil sample taken for analysis.
4. 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: 10/13/2011 Engine Flight: 117.3 TSN: 117.3

Number 4 cylinder compression low. Found lifter pumping up and holding 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 used. Engine ground run satisfactory. Per TCM SB M89-7R1.

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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:

1. Compressions: 1)64/80 2)64/80 3)68/80 4)72/80 5)70/80 6)54/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n CH48108-1.
4. Routine oil sample taken for analysis.
5. 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.
6. Inspected fuel inlet filter.
7. Torqued loose rocker box covers screws.
8. Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.
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

1. 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
2. SB 2X-74-01 accomplished at this time. Fine wire spark plug replacement by installation of massive electrode plugs p/n RHB-32E.

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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

1. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
2. Installed new oil filter p/n AA48108-2.
3. Routine oil sample taken for analysis.
4. 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

1. Oil cooler found cracked. Removed oil cooler for repair by AWI CRS#UWDR792L under WO# 146115.
2. Reinstalled oil cooler after repair using new gaskets p/n 649989.
3. 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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N88BA ENG. S/N: 1003147 Date: 6/29/2012 Engine Flight: 214.4 TSN: 214.4

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

1. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
2. Installed new oil filter p/n AA48108-2.
3. Routine oil sample taken for analysis.
4. 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: 12/4/2012 Engine Flight: 254.0 TSN: 303.6

1. 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.
2. 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:

1. Compressions: 1)69/80 2)72/80 3)66/80 4)74/80 5)72/80 6)74/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Routine oil sample taken for analysis.
5. Cleaned, gapped and tested spark plugs. Installed with new gaskets. Installed 2 new plugs p/n URHB-32E.
6. Inspected fuel inlet filter.
7. Torqued loose rocker box covers screws.
8. Fuel nozzles cleaned and inspected. Installed with new o-rings p/n 630979-9.
9. Performed TCM SID97-3E functional inspection of fuel injection system.
10. 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

1. SB 2X-77-04 accomplished at this time. MAP/Oil pressure Sensor Replacement by installation of kit 70264-001.
2. SB 2X-71-23 accomplished at this time. Baffle Gusset installation by installation of kit 70265-001.
3. SB 2X-79-01 accomplished at this time. Oil line security by installation of kit 70263-001.
4. SB 2X-71-22 accomplished at this time. Alternate Air Assembly Bracket Reinforcement.
5. SB 2X-71-20 accomplished at this time. Alternate Air Assembly Inspection. Flattened end of hinge so pin cannot migrate out.

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