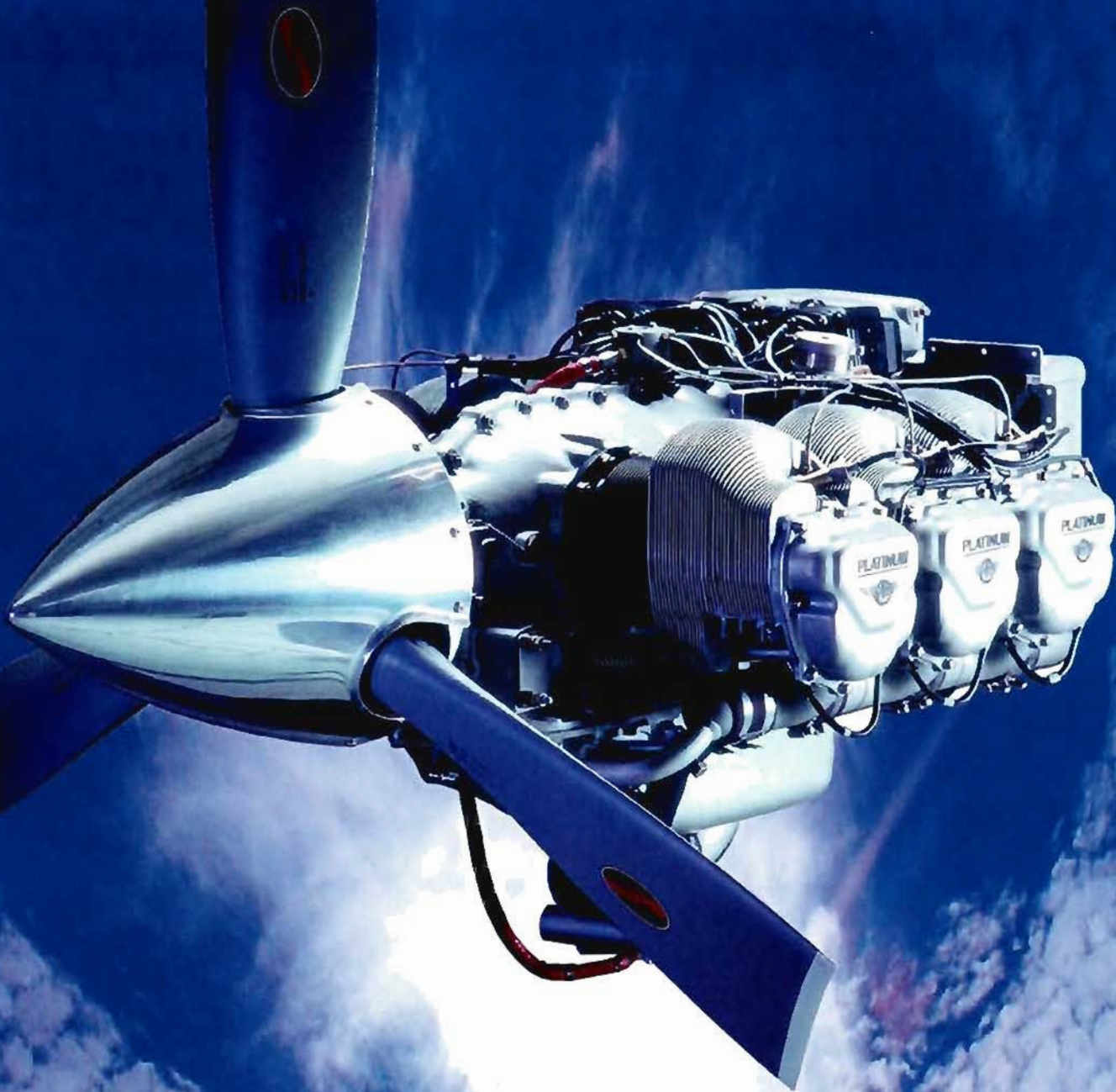


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

Form No. ELB-01P

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Production Certificate 508

Printed: 1/18/2010

Test Date: 12/12/2009

This engine model 10550N42B , serial number 1001064 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. This engine was assembled with Teledyne Continental Motors Factory Rebuilt hydraulic lifters in accordance with Teledyne Continental Motors approved design data and FAA Special Airworthiness Information Bulletin NE-10-09.

TCM
19

P O Box 90
Mobile AL 36601-0090
Phone: 251-438-3411

Our records indicate that you have requested delivery of a new TCM factory engine or you have indicated a desire to place an engine order with the following information:

PO#: 102491

Engine Specification: IO-550-N42B Engine S/N 1001064

TCM is experiencing a disruption in the supply of new hydraulic lifters. As such, we cannot set a delivery date for new engines.

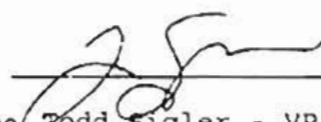
Under the authority of a FAA Special Airworthiness Information Bulletin (SAIB), TCM can assemble and test new engines with TCM factory rebuilt hydraulic lifters. These lifters may contain parts that have previous time in service. These parts have been inspected and reconditioned to comply with new print limits, approved oversize/undersize tolerances and functional test.

TCM can provide a factory new engine under this SAIB with TCM factory rebuilt hydraulic lifters in accordance with our normal lead times. Alternatively, you may elect to wait for the new hydraulic lifters to become available. Delivery of these engines cannot be set at this time. Your agreement to accept TCM factory rebuilt hydraulic lifters will not affect your new engine warranty in any way.

TCM needs to know how you would like to proceed. Please check a box below, sign and date this document, and fax to 1-251-432-7352 or email to tcm.technical@teledyne.com. If you have any questions, please contact Customer Service at 1-800-326-0089.

- Please ship my engine(s) per my request date or as soon after as possible. I understand that my engine may contain TCM factory rebuilt hydraulic lifters.
- I want new lifters. Please hold my order and delivery of my engine per my request date or as soon after as new lifters are available. I understand that this could be several months.

Signature



Print Name Todd Sigler - VP Manufacturing Support

Date

1-15-10

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: IO-550-N
(42P)
ENGINE S/N: 1001064
REV: NO 5325P
WORK ORDER:
13398-01-2010



Cirrus Design Factory Service Center

Repair Station No: YDSR1571
4514 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3438

DATE: 2/22/2010
AF: TSM 2385.3
ENG TT: 0
FLIGHTTIME: 3054.7

Engine Entries

(8) Installed NEW TCM engine model IO550N42B, S/N 1001064 with a TT of 0hrs on Aircraft SP22, S/N 2194, Reg: N5325P (airframe fabric: 3095.3)
All work accomplished IAW CDC AMM 71-30. Operational run check performed good. (20) Removed and Replaced Governor Alternator (GA) 410.5 (P/N 13065-001) S/N 07915011, S/N 04 (S/N 07915011) (0.0495 TT on part). Work done IAW CDC: SP22 AMM 24-31

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. Further details of repair are on file at the Certified Repair Station (CRS) YDSR1571.

DATE: 2/22/2010

SIGNED: *Charles D. Berra*
Charles Berra
Certified Repair Station No: YDSR1571

Work Order: 13398-01-2010
Printed by EBis 3 (datamedia.com)

ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 60310
REV: NO 5325P
WORK ORDER:
13397-01-2010



Cirrus Design Factory Service Center

Repair Station No: YDSR1571
4514 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3438

DATE: 2/22/2010
AF: TSM 2054.7
ENG TT: 2392
FLIGHTTIME: 2054.7

Engine Entries

(4) Flight time 2054.7. Performed engine Annual/100-Hr inspection IAW cirrus min chapter 5-20 and 5-30. (1) Reviewed ACD through bi-weekly issue 2010-03. All ACDs are in compliance at this time. (10) Serviced engine with 8275 of Phillips 20W50 Mineral oil. The interval of only for next 26 hours (and 2079.7 RPH). Leak and operational check good, work performed IAW cirrus min chapter 13-30. (11) Performed engine cylinder compression and bore/scope inspection, no discrepancies noted on bore/scope inspection, compression are as follows: #1: 78PSI, #2: 70PSI, #3: 70PSI, #4: 70PSI, #5: 75PSI, #6: 72PSI. master cylinder reading of 45, work performed IAW T.C.M. MM section 19, and T.C.M. 0.0. (12) Installed new RYB325 spark-plugs GFY 12 IAW CDC AMM 24-20. (13) Performed magnets to engine timing inspection, no discrepancies noted on spark-plug, work performed IAW T.C.M. MM section 12. (14) Removed and replaced induction air filter with new, P/N BA-24 IAW cirrus min chapter 11-60. (15) Performed fuel pressure setup on engine driven fuel pump IAW T.C.M. S/D 97-3E. (23) Verify that this Engine has been inspected IAW a 100-Hr Annual inspection and was determined to be in an 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. Further details of repair are on file at the Certified Repair Station (CRS) YDSR1571.

DATE: 2/22/2010

SIGNED: *Charles D. Berra*
Charles Berra
Certified Repair Station No: YDSR1571

Work Order: 13397-01-2010
Printed by EBis 3 (datamedia.com)

Date 03-22-2010 IO550 N42B S/N 1001064
Tach 2078.5 TTSN 24.5

Drained oil and serviced with 7qts Phillips XC 20W50. Remove oil filter and replaced with Champion 48108-1 cut open old filter and inspected for contaminants none found .performed engine run to check for leaks (no leaks noted).

W.A. Onderdonk III A&P 467157126 *W.A. Onderdonk III*

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 113241

Clear Star Aviation

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

DATE: 5/13/2011
A/C TSN: 2233
ENG TT: 2233
FLIGHTTIME: 2233

Engine Entries

Adjusted the engine idle.

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

DATE: 5/13/2011

SIGNED:

Work Order: 113241

Daw, Isaiah
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 113455

Clear Star Aviation

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

DATE: 9/30/2011
A/C TSN: 2268.7
ENG TT: 2268.7
FLIGHTTIME: 2268.7

Engine Entries

The oil and filter was changed and serviced with 7 quarts of AeroShell W100, Camguard and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories.

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

DATE: 9/30/2011

SIGNED:

Work Order: 113455

Daw, Isaiah
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 113683

Clear Star Aviation

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

DATE: 5/4/2012
A/C TSN: 2297.2
ENG TT: 242.5
FLIGHTTIME: 2297.2

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30..The cylinder compression was checked with the following results: #1, 76/80 #2, 78/80 #3, 72/80 #4, 76/80 #5, 75/80 #6, 74/80 psi. Master orifice 48/80..The oil and filter was changed and serviced with 7 quarts of AeroShell W100, 1 pint of Camguard, and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories..Adjusted the fuel system in accordance with SID 97-3E.

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: 5/4/2012

SIGNED:

Work Order: 113683

Daw, Isaiah
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 114039

Clear Star Aviation

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

DATE: 11/30/2012
A/C TSN: 2333.9
ENG TT: 279.2
FLIGHTTIME: 2333.9

Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W50XC a pint of Camguard and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories.

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

DATE: 11/30/2012

SIGNED:

Work Order: 114039

Daw, Isaiah
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 114144

Clear Star Aviation

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

DATE: 2/28/2013
A/C TSN: 2351.6
ENG TT: 296.9
FLIGHTTIME: 2351.6

Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W50XC, a pint of Camguard and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories.

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

DATE: 2/28/2013

SIGNED:

Work Order: 114144

Daw, Isaiah
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 114193

Clear Star Aviation

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

DATE: 4/5/2013
A/C TSN: 2351.6
ENG TT: 296.9
FLIGHTTIME: 2351.6

Engine Entries

Replaced the oil filter P/N CH48108-1.

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

DATE: 4/5/2013

SIGNED:

Work Order: 114193

Daw, Isaiah
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N Clear Star Aviation
(42)
ENGINE S/N: 1001064 Repair Station No. 5CSR009B
REG. NO: N545CB 4765 Frank Luke Dr
WORK ORDER: 114194 Addison, Texas 75001
Phone: 972-267-2376

DATE: 6/6/2013
A/C TSN: 2359.2
ENG TT: 304.5
FLIGHTTIME: 2359.2

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, 76/80 #2, 76/80 #3, 72/80 #4, 75/80 #5, 72/80 #6, 72/80 psi. Master orifice 49/80..The oil and filter was changed and serviced with 7 quarts of AeroShell W100 and one bottle of cam guard. a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone..Complied with SB 2X-74-01 Fine wire replacement. Installed all new URHB32E spark plugs.

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: 6/6/2013

SIGNED:

Work Order: 114194

Hoskins, Josh
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 114388



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

DATE: 8/20/2013
A/C TSN: 2368.1
ENG TT: 313.4
FLIGHTTIME: 2368.1

Engine Entries

Complied with Savvy oil change. The oil and filter was changed and serviced with 7 quarts of AeroShell 100W, 1 camguard, and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories.

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

DATE: 8/20/2013

SIGNED:

Work Order: 114388

Hoskins, Josh
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 114504



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

DATE: 11/20/2013
A/C TSN: 2373.2
ENG TT: 318.5
FLIGHTTIME: 2373.2

Engine Entries

The oil and filter was changed and serviced with 8 quarts of Phillips 20W50-XC and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone laboratories.

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

DATE: 11/20/2013

SIGNED:

Work Order: 114504

Hoskins, Josh
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 114731



Clear Star Aviation

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

DATE: 7/3/2014
A/C TSN: 2382.7
ENG TT: 328
FLIGHTTIME: 2382.7

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, 71/80 #2, 73/80 #3, 74/80 #4, 76/80 #5, 73/80 #6, 70/80 psi. Master orifice 42/80..The oil and filter was changed and serviced with 7 quarts of AShell100W and one pint of Camguard and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories..Performed borescope cylinder inspection, no abnormality found at this time..Adjusted idle RPM and idle mixture settings to within limits..Installed overhauled oil cooler P/N 654585 S/N B04-2147-854, see Pacific Oil Cooler w/o 99686 for details..Replaced cyl #1 intake hose clamp with new.

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: 7/3/2014

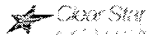
SIGNED:

Work Order: 114731

Menge, Adam
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
(42)



Clear Star Aviation

ENGINE S/N: 1001064
REG. NO. N545CB
WORK ORDER: 115016

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

DATE: 1/21/2015
A/C TSN: 2407.1
ENG TT: 352.4
FLIGHTTIME: 2407.1

Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W-50 X/C, a pint of CamGuard and a new AA48108-2 filter.
An oil sample was collected for analysis by Blackstone Laboratories.

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

DATE: 1/21/2015

SIGNED:

Work Order: 115016

Melendez, Edwin
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG NO: N545CB
WORK ORDER: 115173



Clear Star Aviation
Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, TX 75001
Phone: 972-267-2376

DATE: 8/14/2015
A/C TSN: 2447.4
ENG TT: 392.7
FLIGHTTIME: 2447.4

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30. The cylinder compression was checked with the following results: #1, 72/80 #2, 66/80 #3, 73/80 #4, 72/80 #5, 68/80 #6, 64/80 psi. Master orifice 43/80. Installed new hardware on the R/H exhaust ball joint and adjusted. Replaced #4 and #5 fuel injector clips. Adjusted magneto timing to within limits. Replaced both exhaust collectors. Adjusted mixture to within limits. Replaced clamp at cylinder #1 intake. Removed both magnetos for and reinstalled after 500 inspection performed by Quiet Sky Aviation Consultants, LLC. Cleaned the fuel injector nozzles and reinstalled using new seals as required. Complied with SB2X-28-12 Electric Fuel Pump Inspection.

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: 8/14/2015

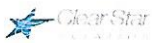
SIGNED:

Work Order: 115173

May, Kevin
Certified Repair Station No. 5CSR009B

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ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 115167



Clear Star Aviation
Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, TX 75001
Phone: 972-267-2376

DATE: 7/17/2015
A/C TSN: 2444.2
ENG TT: 389.5
FLIGHTTIME: 2444.2

Engine Entries

The oil and filter was changed and serviced with 7 quarts of AeroShell 100W and a new AA48108-2 filter also one pint of Camguard additive. An oil sample was collected for analysis by Blackstone Laboratories

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 7/17/2015

SIGNED:

Work Order: 115167

May, Kevin
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 115334



Clear Star Aviation
Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, TX 75001
Phone: 972-267-2376

DATE: 11/25/2015
A/C TSN: 2473.1
ENG TT: 418.4
FLIGHTTIME: 2473.1

Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W-50 X/C and 1 pint of CamGuard and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 11/25/2015

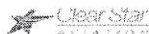
SIGNED:

Work Order: 115334

May, Kevin
Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 200027



Clear Star Aviation
4765 Frank Luke Dr
Addison, TX 75001
Phone: 972-267-2376

DATE: 2/18/2016
A/C TSN: 2492.1
ENG TT: 437.4
FLIGHTTIME: 2492.1

Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W-50 X/C and a new AA48108-2 filter and pint of cam guard additive. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix, AZ.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 2/18/2016

SIGNED:

A large, stylized handwritten signature in black ink, written over the "SIGNED:" label and extending across the horizontal line.

Work Order: 200027

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 200157



Clear Star Aviation

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

DATE: 6/10/2016
AC TSN: 2512.2
ENG TT: 457.5
FLIGHTTIME: 2512.2

Engine Entries

The oil and filter was changed and serviced with 7 quarts of AeroShell W100+ and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories..Cleaned, gapped, and rotated all spark plugs.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 6/10/2016

SIGNED:

May, Kevin
Certified Repair Station No. 5CSR009B

Work Order: 200157

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 200209



Clear Star Aviation

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

DATE: 9/13/2016
A/C TSN: 2529
ENG TT: 474.3
FLIGHTTIME: 2529

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30..The cylinder compression was checked with the following results: #1, 70/80 #2, 60/80 #3, 62/80 #4, 60/80 #5, 64/80 #6, 64/80 psi. Master orifice 42/80..The oil and filter was changed and serviced with 7 quarts of Phillips 20W-50 X/C, a pint of camguard additive and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories..Performed borescope inspection..Installed new Tempest starter P/N PL13484, S/N 1601714..Secured #1 fuel line and R/R #4 injector clip..Replaced broken clamp on #1 cyl intake tube..Installed new adel clamp under #3 cylinder securing EGT wires..Re-installed prop governor adjustment screw using thread sealant..Installed both magnetos after 500 hr internal inspection performed by Quiet Sky Aviation Consultants. Timed magnetos to 22°.

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: 9/13/2016

SIGNED:

Longaker, Doug
Certified Repair Station No. 5CSR009B

Work Order: 200209

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 200412

Clear Star Aviation

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

DATE: 12/8/2016
A/C TSN: 2554.7
ENG TT: 500
FLIGHTTIME: 2554.7

Engine Entries

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.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 12/8/2016

SIGNED:

Longaker, Doug
Certified Repair Station No. 5CSR009B

Work Order: 200412

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

ENGINE S/N: 1001064

REG. NO: N545CB

WORK ORDER: 200603



Clear Star Aviation

Repair Station No. 5CSR009B

4765 Frank Luke Dr

Addison, TX 75001

Phone: 972-267-2376

DATE: 4/14/2017

A/C TSN: 2578.3

ENG TT: 523.6

FLIGHTTIME: 2578.3

Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W-50 X/C, Camguard and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories..Cleaned, gapped, and rotated all spark plugs.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 4/14/2017

SIGNED:

Longaker, Doug
Certified Repair Station No. 5CSR009B

Work Order: 200603

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

ENGINE S/N: 1001064

REG. NO: N545CB

WORK ORDER: 200704

Clear Star Aviation

Repair Station No. 5CSR009B

4765 Frank Luke Dr

Addison, TX 75001

Phone: 972-267-2376

DATE: 7/7/2017

A/C TSN: 2595.5

ENG TT: 540.8

FLIGHTTIME: 2595.5

Engine Entries

L/H magneto was repaired by Quiet Sky Aviation S/N D09HA208. L/H magneto was installed and timed to 22°.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 7/7/2017

SIGNED:



Longaker, Doug
Certified Repair Station No. 5CSR009B

Work Order: 200704

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

Clear Star Aviation

ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 200783

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

DATE: 9/15/2017
A/C TSN: 2614
ENG TT: 559.3
FLIGHTTIME: 2614

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30..The cylinder compression was checked with the following results: #1, 62/80 #2, 66/80 #3, 50/80 #4, 56/80 #5, 62/80 #6, 64/80 psi. Master orifice 42/80..The oil and filter was changed and serviced with 7 quarts of AeroShell W100, camguard and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories.

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: 9/15/2017

SIGNED:

Longaker, Doug
Certified Repair Station No. 5CSR009B

Work Order: 200783

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
(42)

ENGINE S/N: 1001064

REG. NO: N545CB

WORK ORDER: 201112

Clear Star Aviation

Repair Station No. 5CSR009B

4765 Frank Luke Dr

Addison, TX 75001

Phone: 972-267-2376

DATE: 4/9/2018

A/C TSN: 2653.3

ENG TT: 598.6

FLIGHTTIME: 2653.3

Engine Entries

The oil and filter was changed and serviced with 7 quarts of AeroShell 100W, 1 pint of camguard, and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 4/9/2018

SIGNED:


Longaker, Doug
Certified Repair Station No. 5CSR009B

Work Order: 201112

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (42)
ENGINE S/N: 1001064
REG. NO: N545CB
WORK ORDER: 0652

Dedicated Aircraft Work
698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 7/19/2018
A/C TSN: 2665.6
ENG TT: 610.9
FLIGHTTIME: 2665.6

Engine Entries

Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of AeroShell W100 and Camgaud.. . Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2018-14.... The engine compressions were checked with the following results: #1 62/80, #2 60/80, #3 66/80, #4 62/80, #5 62/80, #6 62/80. Master orifice 44/80.

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

DATE: 7/19/2018

SIGNED:



Work Order: 0652

Isaiah Daw, A&P: 2594100

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