

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

ENGINE MODEL:
IO-550N42
ENGINE S/N: 689884
REG NO: N905SE
WORK ORDER: 061116

Aero Structures, Inc.
Repair Station No. QRQR810L
4765 Frank Luke Drive
Addison, Texas 75001
Phone: 972-267-2376

DATE: 11/14/2006
A/C TSN: 23.2
ENG TT: 23.2
HOBBS: 32.4

Engine Entries

Changed oil and filter. Serviced with 8qts AeroShell 15W50. Installed a new ES48108 oil filter IAW TCM/Cirrus guidelines. Test ran aircraft. Leak checked OK. Took oil sample and sent to Aviation Oil Analysis... This engine was inspected IAW a 25hr inspection using the TCM/Cirrus Design SR22 Maintenance Manual Checklist and was determined to be in airworthy condition.

Pertinent details are on file at this repair station under Work Order No. 061116.

DATE: 11/14/2006

SIGNED: 

Work Order: 061116

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ENGINE MODEL IO-550-N
(42)
ENGINE S/N 689884
REG NO 905SE
WORK ORDER
7968-12-2006



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3101

DATE 12/8/2006
A/C TSN 48.8
ENG TT 48.8
HOBBS 64.4

Engine Entries

(5) Researched engine ADs through bi-weekly issue 2006-24, all ADs are in compliance at this time (10) Drained engine oil and removed oil filter, cut open oil filter and performed particulate inspection, no discrepancies noted on inspection. Installed new Champion oil filter P/N CH48108-1 and serviced engine with 8Qts of AeroShell 15W50 oil, leak and operational check good. Work performed IAW cirrus mm chapter 12-10

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: 12/8/2006

SIGNED: 

Joseph Sullivan
Certified Repair Station No. YD5R855Y

Work Order: 7968-12-2006

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ENGINE MODEL:
IO-550N42
ENGINE S/N: 689884
REG NO: N905SE
WORK ORDER: 071231

Clear Star Aviation LLC

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

DATE: 1/11/2008
A/C TSN: 103
ENG TT: 103
HOBBS: 131.9

Engine Entries

Changed oil and filter. Serviced with 7qts AeroShell 15W50. Installed a new CH48108-1 oil filter referencing TCM/Cirrus guidelines. Test ran aircraft. Leak checked OK. Took oil sample and sent to Aviation Oil Analysis. Performed a compression test: 1) 74/80; 2) 74/80; 3) 74/80; 4) 73/80; 5) 75/80; 6) 76/80. Master Orifice: 42... Cleaned, gapped, tested and re-installed spark plugs using new gaskets P/N: 50907-001, 12ea... Installed high-temp spiral wrap on #1 and #2 injector lines to prevent spark plug wires from chafing... Cleaned spark plug lead ends as required... Re-installed injectors after cleaning using new P/N's: 630979-9, 6ea, o-rings; 640612, 6ea, washers; X1473, 6ea, copper washers

This engine was inspected referencing an annual inspection using the TCM/Cirrus Design SR22 maintenance manual checklist and was determined to be in airworthy condition. Pertinent details are on file at this repair station under Work Order No. 071231.

DATE: 1/11/2008

SIGNED: 

Work Order: 071231

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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.
Brought Forward →				

Clear Star Aviation LLC
 4765 Frank Luke Dr.
 Addison, TX 75001
 (972) 267-2376

Date: 11/13/2008; Aircraft: N905SE; Type: Cirrus SR22; S/N: 2090; Hobbs: 146.7; Total Time: 146.7; Engine - Type: TCM, S/N: 689884, Time: 146.7
 Shop Order #: 1282

This Engine was inspected in accordance with a 100 hour inspection; FAR Part 43 Appendix D in scope and detail to items applicable to this aircraft and the Cirrus SR22 Maintenance Manual, P/N 13773-001 Revision A2 dated May 30, 2008. The cylinder compression was checked with the following results: #1, 79/80. #3, 79/80 #5, 78/80 #2, 78/80 #4, 79/80 #6, 78/80 psi. The oil and filter was changed and serviced with 7 quarts Aero-shell 15W50 and a new CH48108-1 filter. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix; AZ. All spark plugs were cleaned, gapped, tested, rotated and re-installed with new gaskets. The magneto to engine timing was checked in accordance with TCM MSB94-8A. The engine controls were inspected in accordance with TCM SB95-2. This engine was ground run to verify performance criteria and inspected for any fluid leaks. An AD search was performed; any new or recurring Ads were complied with and a summary was recorded and added to the permanent Engine records.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION.

SIGNATURE: _____

Russell Martin
 FAA REPAIR STATION 5CSR009B

ENGINE MODEL:
 IO-550-N(42)
 ENGINE S/N: 689884
 REG NO: N905SE
 WORK ORDER: 112382

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

DATE: 10/23/2009
 A/C TSN: 161.4
 ENG TT: 161.4
 FLIGHTTIME: 161.4

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, 73/80 #2, 76/80 #3, 71/80 #4, 65/80 #5, 72/80 #6, 77/80 psi. Installed one new spark plug(top#5). Installed new R/H inner cylinder baffles. The oil and filter was changed and serviced with 7 quarts of AeroShell 15W50 and a new CH48108-1 filter. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix; AZ. This engine was ground run to verify performance criteria and inspected for any fluid leaks.

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: 10/23/2009

SIGNED: _____

Daw, Isaiah
 Certified Repair Station No. 5CSR009B

Work Order: 112382

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CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028
 ENGINE: TCM MODEL: IO-550-N S/N: 689884
 HOBBS: 205.9

DESCRIPTION OF WORK PERFORMED:

Performed 100 hour inspection IAW FAR 43 Appendix D Checklist. Oil and filter changed, CH48109-1, serviced with 12 quarts Phillips X/C 20/50W. Induction air filter element replaced p/n BA-24. Spark plugs cleaned gapped and tested. Engine solvent washed. Engine ops checked. This aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

November 19, 2010

DATE

SIGNATURE

Clifford A. Milligan
 A&P 3456353

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.

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CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028
ENGINE: TCM MODEL: IO-550-N S/N: 689884 HOBBS: 246.6

DESCRIPTION OF WORK PERFORMED:
 Oil and filter changed, CH48108-1, serviced with 8 quarts Phillips X/C 20/50W. Cut and Inspected Filter.

DATE: May 6, 2011 SIGNATURE: Clifford A. Millican A&P 3456353

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028
ENGINE: TCM MODEL: IO-550-N S/N: 689884 HOBBS: 277.1

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection IAW FAR 43 Appendix D Checklist. Cylinder Compressions checked with following results #1 72/80, #2 70/80, #3 74/80, #4 70/80, #5 68/80, #6 72/80. Oil and filter changed, CH48108-1, serviced with 8 quarts Phillips X/C 20/50W. Spark plugs cleaned gapped and tested. Engine solvent washed. Engine ops checked. This aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

DATE: December 27, 2011 SIGNATURE: Clifford A. Millican A&P 3456353

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028
ENGINE: TCM MODEL: IO-550-N S/N: 689884 HOBBS: 403.8

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection IAW FAR 43 Appendix D Checklist. Cylinder Compressions checked with following results #1 79/80, #2 79/80, #3 79/80, #4 79/80, #5 79/80, #6 79/80. Oil and filter changed, CH48108-1, serviced with 8 quarts Phillips X/C 20/50W. Replaced Aircraft Filter Element PN: BA-24. Spark plugs cleaned gapped and tested. Engine solvent washed. Engine ops checked. Checked AD's thru 2012-24-08. Complied With AD 2012-03-06 Fuel Servo Diaphragm by non being installed. Complied with AD 2012-10-13 Starter Adapter by paragraph C 100 plus hours on Adapter no action required. This aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

DATE: December 7, 2012 SIGNATURE: Stanley Seery A&P 2067906

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028
ENGINE: TCM MODEL: IO-550-N S/N: 689884 HOBBS: 445.4

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection IAW FAR 43 Appendix D Checklist. Cylinder Compressions checked with following results #1 66/80, #2 72/80, #3 72/80, #4 64/80, #5 60/80, #6 74/80. Oil and filter changed, CH48108-1, serviced with 8 quarts Phillips X/C 20/50W. Replaced Aircraft Filter Element PN: BA-24. Spark plugs cleaned gapped and tested. Replaced # 6 Spark Plug with P/N: RHB32S. Engine solvent washed. Engine ops checked. Checked AD's thru 1/10/2014. Removed Magnetos and replaced after 500 hour inspection from Quality Aircraft Accessories Inc. WO#1170012294.001 and WO#1170012294.002. Complied With AD 2012-03-06 Fuel Servo Diaphragm by non being installed. Complied with AD 2012-10-13 Starter Adapter by paragraph C 100 plus hours on Adapter no action required. This aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

DATE: January 13, 2014 SIGNATURE: Clifford A. Millican A&P 3456353

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 →					

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM **MODEL:** IO-550-N **S/N:** 689884
HOBBS: 470.1
Flight Hobbs: 365.4

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection IAW FAR 43 Appendix D Checklist. Cylinder Compressions checked with following results #1 71/80, #2 68/80, #3 70/80, #4 60/80, #5 64/80, #6 64/80. Oil and filter changed, CH48108-1, serviced with 8 quarts Phillips X/C 20/50W. Replaced Engine Induction Filter Element PN: BA-24. Spark plugs cleaned gapped and tested. Replaced 2 Spark Plugs with PN: RHB32S. Engine solvent washed. Engine ops checked. Checked AD's thru 1/15/2015. This aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

January 15, 2015
 DATE SIGNATURE A&P

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM **MODEL:** IO-550-N **S/N:** 689884
HOBBS: 510.7

DESCRIPTION OF WORK PERFORMED:
 Serviced oil with 7 qts Phillips X/C 20W-50. Cut, inspected, and replaced filter Ch48108-1. Test ran aircraft, ops check good.

October 20, 2015
 DATE SIGNATURE A&P

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM **MODEL:** IO-550-N **S/N:** 689884
HOBBS: 514.1
Flight Hobbs: 400.0

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection IAW FAR 43 Appendix D Checklist. Cylinder Compressions checked with following results #1 68/80, #2 56/80, #3 66/80, #4 62/80, #5 56/80, #6 72/80. Oil and filter changed, CH48108-1, serviced with 7 quarts Phillips X/C 20/50W. Replaced Engine Induction Filter Element PN: BA-24. Spark plugs cleaned gapped and tested. Engine solvent washed. Engine ops checked. Checked AD's thru 1/30/2016. This aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

February 1, 2016
 DATE SIGNATURE A&P

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM **MODEL:** IO-550-N **S/N:** 689884
HOBBS: 560.0
FH: 434.4

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection in accordance with FAR 43, Appendix D. Cylinder Compressions: #1 74/80, #2 70/80, #3 71/80, #4 71/80, #5 69/80, #6 70/80. Oil and filter changed, CH48108-1, serviced with 7 quarts Phillips X/C 20w-50. Cut filter inspected for metallic contamination, none found. Replaced Engine Induction Filter Element PN: BA-24. Installed 1 new sparkplug with Tempest RHB32S. Spark plugs cleaned gapped and tested. Engine solvent washed. Engine ops checked. I certify this aircraft engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition.

March 9, 2017
 DATE SIGNATURE A&P

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.
Brought Forward →				

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM MODEL: IO-550-N S/N: 689884
 FH: 450.1 HOBBS: 580.1

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hr inspection. Cylinder Compressions: Orrif: 48 1) 66/80, 2) 60/80, 3) 68/80, 4) 68/80, 5) 58/80, 6) 64/80. Cut, inspected, and replaced oil filter CH48108-1. Replaced Engine Induction Filter Element PN: BA-24. Installed 2 new sparkplugs with Tempest P/N: URHB32S. Spark plugs cleaned gapped and tested.
 "I have inspected this engine in accordance with a 100 hr inspection and determined it to be in an airworthy condition in accordance with FAR Part 43 App D."

DATE: April 5, 2018 SIGNATURE: *[Signature]* 3646133 A&P

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM MODEL: IO-550-N S/N: 689884
 FH: 468.5 HOBBS: 604.7

DESCRIPTION OF WORK PERFORMED:
 Performed 100hr inspection in accordance with FAR 43 appendix D. Compressions: 1) 76/80, 2) 74/80, 3) 71/80, 4) 77/80, 5) 67/80, 6) 77/80. Cut, inspected, and replaced oil filter CH48108-1. Spark plugs cleaned gapped and tested. Oil drained and replenished with Phillips X/C 20w-50.
 "I certify this engine has been inspected in accordance with a 100hr inspection and determined it to be in an airworthy condition."

DATE: June 4, 2019 SIGNATURE: *[Signature]* 3316142 A&P

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM MODEL: IO-550-N S/N: 689884
 FH: 480.6 HOBBS: 625.6

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hr. inspection: Cylinder Compressions: Orrif: 46 1) 74/80, 2) 76/80, 3) 74/80, 4) 74/80, 5) 77/80, 6) 76/80. Cut, inspected, and replaced oil filter CH48108-1. Replaced Engine Induction Filter Element PN: BA-24. Replaced 2 Sparkplugs with P/N: URHB32S, cleaned gapped and tested all Sparkplugs.
 "I have inspected this engine in accordance with a 100 hr inspection and determined it to be in an airworthy condition in accordance with FAR Part 43 App D."

DATE: June 8, 2020 SIGNATURE: *[Signature]* 3564144 A&P

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM MODEL: IO-550-N S/N: 689884
 FH: 483.4 HOBBS: 631.6

DESCRIPTION OF WORK PERFORMED:
 Performed 100 hour inspection IAW FAR 43 appendix D. Compressions: Orrif: 42 1) 73/80, 2) 70/80, 3) 69/80, 4) 67/80, 5) 68/80, 6) 68/80. Cut, inspected, and replaced oil filter CH48108-1, no metallic contamination was found. Drained oil and serviced using Phillips X/C 20w-50. Replaced induction filter with new BA-24. Cleaned, gapped and tested sparkplugs.
 "I have inspected this Engine in accordance with a 100 hr inspection and determined it to be in an airworthy condition in accordance with FAR Part 43 App D."

DATE: June 22, 2021 SIGNATURE: *[Signature]* 3316142 A&P

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.
Brought Forward	→			

CAM CERTIFIED AIRCRAFT MAINTENANCE 12925 Wildcat Way, Burleson, TX, 76028

ENGINE: TCM

MODEL: IO-550-N

S/N: 689884

FH: 500.6

HOBBS: 656.1

DESCRIPTION OF WORK PERFORMED:

Performed 100 hour inspection IAW FAR 43 appendix D. Compressions: Orrif: 42 1) 70/80, 2) 71/80, 3) 72/80, 4) 68/80, 5) 70/80, 6) 71/80. Cut, inspected, and replaced oil filter AA48108-2, no metallic contamination was found. Drained oil and serviced using Phillips X/C 20w-50. Replaced induction filter with new BA-24. Cleaned, gapped and tested sparkplugs.

"I have inspected this Engine in accordance with a 100 hr inspection and determined it to be in an airworthy condition in accordance with FAR Part 43 App D."

June 16, 2023

DATE

Clifford A. Milhian
SIGNATURE A&P 3456353

Br