



WESTERN Skyways INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
www.westernskyways.com

(800) 575-9829
(970) 249-0232
FAX: (970) 249-4155

Engine Make: CONTINENTAL Model: IO-550-BcN
 Serial Number: 297483-R W/O No: W050510 Date: 04/17/14
 Warranty Number: D14062 Warranty Start Date: 05/14
 Crankshaft Serial No: N08GA115 Cylinder Part Number: CMI 658021A2 NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: M-16 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 1646.8 Hrs.

This engine meets requirements of CONTINENTAL SIL-98C for 2000.0 Hour TBO

The accessories listed below were New or Overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	BL-500556-1	D13IA104R	Vac Pump:	N/A	N/A
R/H Mag:	BL-500556-1	D14CA105R	Wastegate:	N/A	N/A
Fuel Pump:	R-655921-6A1	B14AA053R	Alt/Gen:	N/A	N/A
Inj/Carb:	R-653353-5	A14BA083R	Press Rel Val.:	N/A	N/A
Man Valve:	R-646433-5A5	C14BA085R	Controller:	N/A	N/A
Starter:	C24ST3	4C3-071404	VAPC:	N/A	N/A
Turbo :	N/A	N/A	Prop Gov:	N/A	N/A
			Fuel Limiter:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: _____

Repair Station No. WS9R575J

Form 200

Cylinder S/N	Cylinder S/N
#1:AC11FA054	#5:AC11FA045
#2:AC11FA052	#6:AC11ER792
#3:AC11FA025	#7: N/A
#4:AC11FA166	#8: N/A

DATE

AD NOTES COMPLIANCE RECORD

Engine - Continental Motors - IO-550-N

S/N: 297483-R

Western Skyways, Inc.
CRS # WS9R57J
W/O# W050510

Appliance - Magnetos - TCM (formerly Bendix) S-20 series

S/N: DA13FA104R
& DA13CA105R

P/N: BL-500556-1
Model # S6RSC-25

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
74-26-09	Bendix magnetos	04/17/14 1646.8	N/A per magneto model number.	X		Nathaniel Ware CRS# WS9R575J
82-20-01	Bendix magnetos	04/17/14 1646.8	N/A per magneto model number.	X		Nathaniel Ware CRS# WS9R575J
88-03-06	Oil filter	04/17/14 1646.8	N/A per oil filter P/N: CH48108-1.	X		Nathaniel Ware CRS# WS9R575J
91-19-03	Champion oil filter	04/17/14 1646.8	N/A per oil filter P/N: CH48108-1.	X		Nathaniel Ware CRS# WS9R575J
93-08-17	Incorrect oil pick-up tube	04/17/14 1646.8	N/A per engine model.	X		Nathaniel Ware CRS# WS9R575J
93-10-02	Cylinder valve retainer	04/17/14 1646.8	N/A, installed factory new cylinders.	X		Nathaniel Ware CRS# WS9R575J
94-01-03 R2	Teledyne/Bendix magnetos	04/17/14 1046.8	N/A per magneto serial number.	X		Nathaniel Ware CRS# WS9R575J
94-06-09	Teledyne/Bendix magnetos	04/17/14 1646.8	N/A per magneto serial number.	X		Nathaniel Ware CRS# WS9R575J
99-19-01	Crankshaft failure	04/17/14 1646.8	N/A per crankshaft S/N: N08GA115.	X		Nathaniel Ware CRS# WS9R575J
2000-23-21	Fracture of the crankshaft connecting rod journal	04/17/14 1646.8	N/A per crankshaft S/N: N08GA115.	X		Nathaniel Ware CRS# WS9R575J
2004-08-10	Prevent loss of engine power	04/17/14 1646.8	N/A per cylinder manufacture.	X		Nathaniel Ware CRS# WS9R575J
2005-12-06	Prevent failure of the magneto impulse coupling assembly	04/17/14 1646.8	N/A per engine manufacture.	X		Nathaniel Ware CRS# WS9R575J
2007-16-10	To prevent the turbine rotor from separating from the shaft of the turbocharger due to a machining defect in the turbocharger compressor	04/17/14 1646.8	N/A, turbo not supplied with engine.	X		Nathaniel Ware CRS# WS9R575J
2009-16-03	To prevent the separation of the cylinder head	11/08/13 1010.9	N/A per cylinder manufacture.	X		Nathaniel Ware CRS# WS9R575J
2010-11-04	To prevent excessive hydraulic lifter wear	04/17/14 1646.8	N/A, installed overhauled lifters P/N: 658088 & 658077.	X		Nathaniel Ware CRS# WS9R575J
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	04/17/14 1646.8	N/A, diaphragm P/N: AV2541801 or AV2541803 not installed.	X		Nathaniel Ware CRS# WS9R575J
2012-10-13	To prevent starter adapter gear shaft failure	04/17/14 1646.8	N/A, starter adapter not purchased from TCM in 2011.	X		Nathaniel Ware CRS# WS9R575J

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
2014-05-29	Superior Air Parts Investment Cast Cylinder Assemblies	04/17/14 1646.8	N/A per cylinder manufacture.	X		Nathaniel Ware CRS# WS9R575J



WESTERN Skyways INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-550-BcN

Serial Number: 297483-R

Time: 1646.8 TTE

Work Order: W050510

Date: 04/17/2014



This engine was converted from a IO-550-B to a IO-550-N at overhaul utilizing Continental Motors electronic online parts catalog.

The Data Plate was stamped with a "cN" after the model number in accordance with Continental SB M75-6R1.

The engine and/or component identified above was overhauled and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this repair station under above work order.

Installed S539800M30 starter adapter spring in accordance with Aircraft Specialties Inc.. STC SE09846SC and Aircraft Specialties Services service bulletin No.: S-2008-01, Rev. 0, or later FAA approved revision. Starter Adapter was overhauled in accordance with Continental Motors Overhaul Manual M-16 and applicable Service information.

Signed:
Nathaniel Ware
CRS# WS9R575J

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<div data-bbox="368 219 643 356">  <p>AUTOPILOTS CENTRAL INC</p> </div> <div data-bbox="699 270 1361 327"> <p>Hangar 23, Tulsa International Airport-Tulsa, OK 74115 (918)836-6418</p> </div> <p>Date: 5/15/2014; Aircraft: N771SL WO: MA14-04346 Fit. Hour: 749.2 Hobbs: 1919.8 SR22-1405 Removed Continental Motors IO-550-N(27) s/n: 917637 and installed a Continental Motors IO-550-BcN s/n: 297483 -R with new overhaul from Western Skyways, Inc.. Engine was installed new engine isolator's. New fluid hose assembly's were installed. Relocated GAMI fuel nozzles from old engine to new engine. Removed and reinstalled propeller governor after overhaul by Aircraft Accessories, Inc. Replaced the RH engine baffle assembly and front baffle assembly. Installed 8 qts of Phillips 20W50 Type "M" oil. Completed ground run and test flight. Uncowled engine and inspected for leaks and general condition. Adjusted idle mixture. Flew aircraft for additional hour. Install propeller governor C290D3/T23 S/N: 050049 overhauled by Aircraft Accessories. Labor to remove and re-install is included in discrepancy #1. Sublet Service Completed: 3/25/2014 Description: Governor repairs Performed By: Aircraft Accessories Installed Reiff heater system from old engine. Alternator had noise while running. Removed alternator for inspection by Aircraft Accessories of Oklahoma. Alternator was not repairable. Installed exchange alternator. Old alternator p/n: 646843 Alternator S/N: F07163521 Exchanged for S/N: E14962.OR</p> <p>The articles and/or work hereon described is/are certified airworthy (unless otherwise specified). Autopilots Central, Inc. FAA CRS CM2R747K Authorized Signature <u><i>Steve Collins</i></u></p>
		<div data-bbox="391 1160 659 1289">  <p>AUTOPILOTS CENTRAL INC</p> </div> <div data-bbox="711 1203 1367 1258"> <p>Hangar 23, Tulsa International Airport-Tulsa, OK 74115 (918)836-6418</p> </div> <p>Date: 6/03/2014; Aircraft: N771SL Continental Motors IO-550-N(27) s/n: 297483-R. Engine 100 Hour Inspection. WO: MA14-04421 Fit. Hour: 751.1 Hobbs: 1770.7 Inspected this engine using the Cirrus Aircraft inspection form. 2. Oil and filter not changed. Last oil and filter change at engine overhaul at 749.2 Fit. Hours. Next due at 774.2 hours. 3. Compression readings: 1-70, 2-70, 3-70, 4-68, 5-78 & 6-70 over 80 psi. Master orifice reading was 45 psi. I certify this Engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition this date.</p> <p>Signature <u><i>Steve Collins</i></u> Autopilots Central, Inc. CRS CM2R747K</p>



Autopilots Central, Inc.

Hangar 23, Tulsa International Airport - Tulsa, OK 74115
P O Box 582108 - Tulsa, OK 74158
(918)836-6418 - Fax (918)832-0138
FAA CRS CM2R747K
Logbook Entry

PERFORMED -
ISON PERFORMING WORK

Sold To Winner's Church
17004 Granite Place
Edmond, OK 73012

Work Order: MA14-04449
Acct Number: (405)308-0635

Opened: 6/23/2014
Closed: 6/26/2014

Aircraft Number:	N771SL	Type:	CIRRUS SR22	S/N:	1405		
Total Time	1,781.2	Hobbs Time	761.6	Tach Time	LG Cycles		
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-550-NI(27)	297483-R	12.5		PHC-J3YF-1RF	FP35758	13.9

Discrepancy: 1
Action Taken:
 Changed the oil and filter. Inspected the old filter and found it clean. Installed new filter and 8 qts of Phillips 20W50 Type "M" oil. Inspected for leaks.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
20W50M	Oil, Type M - Non-Detergent		8.00	Each	\$	
AA48108-2	Oil Filter		1.00	Each	\$	

Discrepancy: 2
Action Taken:
 Replaced the #6 cylinder CHT probe. Completed operational check.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
14880-003	CHT Probe, After SB		1.00	Each	\$	
	Freight		1.00		\$	
TY526M	Ty Wrap, Heat Resistant		10.00	Each	\$	

Discrepancy: 3
Action Taken:
 Adjusted ngging on mixture control. Completed test flight to check take-off rpm and throttle "dead band" settings.

Miscellaneous Charges:
 Misc Supplies \$

Totals:
 SubTotal: \$
 Charges: \$

The articles and/or work hereon described is/are certified
 airworthy (unless otherwise specified).
 Autopilots Central, Inc.
 FAA-CRS CM2R747K

Authorized Signature: *Steve Collins*

Parts installed may be FAA/PMA'd or STC's parts and not of "Original Equipment Manufacture" (OEM) and as such are not covered by the OEM's Warranty.

8/10/14 HOBBS - 1704.4
 FLIGHT - 794.0
 DRAINED OIL FROM ENGINE, REMOVED OIL FILTER. CUT OPEN OIL FILTER: FOUND IT CLEAN.
 WORK DONE BY: INSTALLED NEW TEMPEST 48109 OIL FILTER & 8 QTS OF PHILLIPS 20W50 TYPE M OIL. PERFORMED GROUND RUN WITH NO LEAKS NOTED. SERVICED BATTERY. CHECKED TIRE PRESSURES. AIRCRAFT RETURNED TO SERVICE FOR WORK PERFORMED.

ZARA GORA SANCHEZ
 PRIVATE PILOT
 #3395643

ENGINE MODEL:
 ENGINE S/N:
 REG. NO. N771SL
 WORK ORDER. 114861



Clear Star Aviation

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

DATE: 8/25/2014
 A/C TSN:
 ENG TT:
 FLIGHTTIME: 803.3

Engine Entries

Installed new spark plugs P/N URHB32E. Adjusted engine to magneto timing to 22° BTDC. Installed new EGT probe P/N 16579-002 on cylinder #5.

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




DATE: 8/25/2014


SIGNED:


Adam Menge
 Menge, Adam
 Certified Repair Station No. 5CSR009B

Work Order: 114861

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DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9/25/14	1748.4	HOBBS DRAINED OIL FROM ENGINE ; REMOVED OIL FILTER.
	831.3	FLIGHT INSPECTED FILTER ; FOUND IT CLEAN. INSTALLED NEW
WORK DONE BY:		TEMPEST 48109 OIL FILTER ; 7 QTS OF AEROSHELL W100 ;
ZARAGOZA SANCHEZ		1PT. OF CAMGUARD. LUBED THROTTLE & MIXTURE. SERVICED
PRIVATE PILOT		BATTERY ; CHECKED PRESSURE OF ALL TIRES. GROUND RUN W/NO
#3395643		LEAKS NOTED. AIRCRAFT RETURNED TO SERVICE FOR WORK
		PERFORMED.
1/15/15	1790.8	HOBBS DRAINED OIL FROM ENGINE ; REMOVED OIL FILTER.
	861.7	FLIGHT INSPECTED FILTER ; FOUND IT CLEAN. INSTALLED NEW
WORK DONE BY:		TEMPEST 48109 OIL FILTER ; 8 QTS OF AEROSHELL W100 ;
ZARAGOZA SANCHEZ		1PT. OF CAMGUARD. LUBED THROTTLE & MIXTURE. REMOVED
PRIVATE PILOT		OLD BATTERY #1 ; REPLACED WITH NEW BILL B-243
#3395643		BATTERY. CHECKED ALL TIRE PRESSURES ; INSPECTED
		BRAKES. GROUND RUN WITH NO LEAKS NOTED. AIRCRAFT
		RETURNED TO SERVICE FOR WORK PERFORMED.
3/11/15	1819.9	HOBBS DRAINED OIL FROM ENGINE ; REMOVED OIL
	890.8	FLIGHT FILTER. INSPECTED FILTER ; FOUND IT CLEAN. INSTALLED
WORK DONE BY:		NEW TEMPEST 48109 OIL FILTER ; 8 QTS OF AEROSHELL
ZARAGOZA SANCHEZ		W100 ; 1PT OF CAMGUARD. LUBED THROTTLE ; MIXTURE.
PRIVATE PILOT		REMOVED WHEEL ; INSPECTED BRAKES ; REPACKED
#3395643		BEARINGS ON BOTH WHEELS. CHECKED ALL TIRE PRESSURES.
		SERVICED BATTERY. GROUND RUN W/NO LEAKS
		NOTED. AIRCRAFT RETURNED TO SERVICE FOR
		WORK PERFORMED.


DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
4/29/15	1855.0	HOBBS DRAINED OIL FROM THE ENGINE. DID
	925.9	FLI. NOT REMOVE OIL FILTER AT THIS TIME.
WORK DONE BY:	PRIVATE PILOT	INSTALLED 7 QTS OF AEROSHELL W100 ; 1 PT. OF
ZARAGOZA SANCHEZ	#3395643	CAM GUARD, LUBED THROTTLE ; MIXTURE. SERVICED
PRIVATE PILOT	#3395643	BATTERY, INSPECTED BRAKES ; TIRES. GROUND
#3395643		RUN WITH NO LEAKS DETECTED. AIRCRAFT RETURNED
		TO SERVICE FOR WORK PERFORMED.




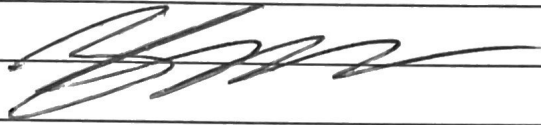
Hangar 23, Tulsa International Airport-Tulsa, OK 74115
(918)836-6418

Date: 5/11/2015; Aircraft: N771SL
SR22-1405 WO: MA15-04782 Flt. Hours: : 940.5 Hobbs: 2164.4

Removed engine cowling and washed down engine. Applied developer to governor and surrounding area, including crankshaft seal and propeller seal. Re-cowled engine and flew for 30 minutes. Removed cowling and found oil leaking at the governor pressure relief valve. Removed governor and re-installed after repair by Aircraft Accessories of Oklahoma. Adjusted high RPM for take-off. Test flew aircraft and re-checked for leaks. None found at this time.

The articles and/or work hereon described is/are certified airworthy (unless otherwise specified).
Autopilots Central, Inc.
FAA CRS CM2R747K
Authorized Signature 

5/25/15	1883.9	HOBBS DRAINED OIL FROM THE ENGINE. REMOVED OIL
	954.8	FLI. FILTER, CUT OPEN OIL FILTER ; FOUND IT CLEAN
WORK DONE BY:	PRIVATE PILOT	INSTALLED NEW TEMPEST 48109 OIL FILTER ; 7 QTS
ZARAGOZA SANCHEZ	#3395643	OF AEROSHELL W100 ; 1 PT. CAM GUARD. LUBED THROTTLE
PRIVATE PILOT	#3395643	; MIXTURE. REMOVED WHEELS ; INSPECTED BRAKES
#3395643		; TIRES. REMOVED LEFT ; RIGHT MAIN TIRES ;
		REPLACED WITH NEW GOODYEAR FLT CUSTOM III'S
15X600 - 6PLY.		RE-INSTALLED WHEELS. CHECKED TIRE
PRESSURES.		SERVICED THE BATTERY. PERFORMED
GROUND RUN		WITH NO LEAKS NOTED. AIRCRAFT
RETURNED		TO SERVICE FOR WORK PERFORMED.

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
10/19/15	1910.1	HOBBS REMOVED TEMPEST SPARK PLUGS URH332E: REPLACED
	977.2	FLY WITH TEMPEST FINE WIRE URH332S. PERFORMED
WORK DONE BY:		GROUND RUN WITH NO FAULTS NOTED. RETURNED TO
ZARAGOZA SANCHEZ		SERVICE FOR WORK PERFORMED.
PRIVATE PILOT		
#3395613		



Autopilots Central, Inc.
 3112 North 74th East Avenue
 Hangar 23, Tulsa International Airport - Tulsa, OK 74115
 (918)836-6418 - Fax (918)832-0136
 FAA CRS CM2R747K
 Logbook Entry

Sold To: Winner's Church
 17004 Granite Place
 Edmond, OK 73012

Work Order: MA15-04827
 Acct Number: (405)308-0635

Opened: 6/22/2015
 Closed: 7/02/2015

Aircraft Number:	N771SL	Type:	CIRRUS SR22	S/N:	1405		
Total Time:	1,960.1	Hobbs Time:	940.5	Tach Time:			
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-550-N(27)	297483-R	191.4		PHC-J3YF-1RF	FP3575B	192.8

Discrepancy: 1

Problem:

Engine oil leak.

Action Taken:

Engine has oil leaks. 6-23-15. Removed engine cowling, engine has oil running down from the backbone area on the left side of the case and around the push rod tubes on cylinders 2 & 4. Washed down engine and ground run for 15 minutes. No leaks found. Installed engine cowling and flew a/c for 20 minutes, came back and removed top cowl and inspected for leaks. No leaks noted. 6-24-15. Flew a/c for a one hour period and returned for inspection. Found oil running out of 4 backbone bolts and running down the left side of the case. Taken photo's and sent to Eric at Western Skyways for review. Checked engine case pressure and found 35 to 40 mph case pressure. Pressurized crankcase and sprayed soap on the case backbone and bolts. No evidence of air leakage. 6-30-15 and 7-01-15. Removed induction system for access to the backbone bolts. Removed # 5,6,7,8,9 & 10 engine case back bone bolts, cleaned, inspected, applied Loctite #515, reinstalled and torqued to MM values. Washed engine. Ground run and flight test for one hour. Removed cowling for inspection of oil leaks. Found oil running from the case backbone area. Taken photos and forwarded to Eric at Western Skyways.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
14554-003	EGT Sensor, After 2B2X-77-02		1.00	Each		\$
	Freight		1.00			\$
18380-001	Bumper, Rebound		1.00	Each		\$
20W50XC	Phillips Detergent Oil		2.00	Each		\$
640612	Washer		6.00	Each		\$
649950	Gasket		6.00	Each		\$
AVGAS	AvGas		23.30	Gallon		\$

Discrepancy: 2

Problem:

Found additional discrepancies when the cowling was removed for the oil leak work.

Action Taken:

Installed new alternate air duct bracket. Installed new #2 cylinder EGT probe. Adjusted idle speed and takeoff RPM. Installed new nose landing gear rubber extension bumper.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
18293-001	Support, Tube Alternate Air		1.00	Each		\$
51578-001	Contact, Female		2.00	Each		\$
70134-003	Kil, CHT/EGT Sensor Retrofit		1.00	Each		\$

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
AVGAS	AvGas		51.40	Gallon		\$

Miscellaneous Charges:

Misc Supplies \$

Totals: MA15-4827 DATE 7/2/15 HRS 1960.1 Hrs

W/O # _____

AUTOPILOTS, CENTRAL, INC.

TULSA, OK 74115

FAA CRS CM2R747K

SubTotal: \$

Charges: \$

Printed: 7/02/2015

Work Order: MA15-04827

Page: 1 of 1

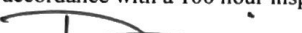
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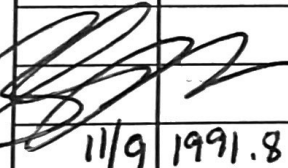

OMEGA
AVIATION SERVICES

3000 Logan Road South Hanger
Weatherford, OK 73096
580-774-5393

Date: 8/1/15
Hobbs Time: 2230.8
Flight Time: 994.5
Total time 2014.1
Time SOH 245.3

Registration: N771SL
Serial Number: 1405

Performed a 100 hour inspection in accordance with FAR 43 appendix D on this engine this date. Drained oil and installed new oil filter and 7.5 qts of Aeroshell W 100 and 1 pint of Camguard . Cleaned intake air filter, checked magneto timing to engine found to be with in tolerance. Performed compression test with the following results. #1 70 #3 70 #5 73 #2 72 #4 70 #6 68 all over 80 psi. Performed ground run with no leaks noted at this time. I certify that this engine has been inspected this date in accordance with a 100 hour inspection and found to be in airworthy condition.
Dennis K. Falasco A&P 3174880 IA 

9/30	1963.6	HOBBS	DRAINED OIL FROM ENGINE. REMOVED FILTER
	1030.7	FLT.	CUT OPEN OIL FILTER & FOUND IT CLEAN. INSTALLED
WORK DONE BY:			NEW TEMPEST 48109 OIL FILTER & ADDED 7.5 QTS
ZAAAGOSAN	SANCHEZ		AEROSHELL W100 & 1 PT OF CAMGUARD. LUBED THROTTLE
PRIVATE PILOT			MIXTURE & PROP CONTROLS. SERVICED BATTERY. CHECKED
#3395643			TIRE PRESSURES. GROUND RUN WITH NO LEAKS NOTED.
			AIRCRAFT RETURNED TO SERVICE FOR WORK PERFORMED.
11/9	1991.8	HOBBS	DRAINED OIL FROM ENGINE. REMOVED OIL
	1058.9	FLT.	FILTER. CUT OPEN FILTER & FOUND IT CLEAN.
WORK DONE BY:			INSTALLED NEW TEMPEST 48109 OIL FILTER &
ZAAAGOSAN	SANCHEZ		ADDED 7.5 QTS AEROSHELL W100 & 1 PT CAMGUARD.
PRIVATE PILOT			LUBED THROTTLE, MIXTURE & PROP CONTROLS.
#3395643			SERVICED BATTERY. CHECKED TIRE PRESSURE
			& INSPECTED BRAKES. GROUND RUN W/NO LEAKS NOTED. AIRCRAFT RETURNED TO SERVICE

ENGINE MODEL:
ENGINE S/N:
REG NO: N771SL
WORK ORDER: 115379



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

DATE: 1/14/2016
A/C TSN: 1082.3
ENG TT: 1082.3279
FLIGHTTIME: 1082.3

Engine Entries

Cleaned manifold pressure sensor connector and applied Stabilant. Ops checked good.

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: 1/14/2016

SIGNED:

May, Kevin
Certified Repair Station No 5CSR009B

Work Order: 115379

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2016 Flight Hobbs N771SL Cirrus SR22 S/N1405

05/23 1380.0 2692.0 Engine: TCM IO-550-N S/N 297483-R

Removed engine cowling. Drained engine oil and removed old oil filter, p/n: 48109. Installed new oil filter, p/n: 48109 and 8 quarts of Aeroshell W100 oil. Safety wired oil filter. Test ran, no leaks detected. Reinstalled engine cowling.

John D. Story

A&P 2731800

Aircraft Maintenance Team, Inc.

2016 Flight Hobbs N771SL Cirrus SR22 S/N1405

05/23 1380.0 2692.0 Engine: TCM IO-550-N S/N 297483-R

Removed Niagara Thermal Products oil cooler, p/n: 10281A, s/n: C08-6629-161 with broken flange. Transferred miscellaneous plugs and vernatherm from old oil cooler to new oil cooler, torqued hardware IAW TCM engine manual and safety wired. Installed overhauled NDM oil cooler, p/n: 10281A, s/n: L04-2147-1618, with new gaskets and hardware, torqued hardware IAW TCM manual. Test ran engine, no leaks detected.

John D. Story

A&P 2731800

Aircraft Maintenance Team, Inc.

WORK PERFORMED.

2016 Hobbs Flight Time ETT N771SL Cirrus SR22 S/N 1405

09/22 2531.7 1249.7 500.5 Continental IO-550-N S/N: 297483-R

Performed an Annual inspection on this engine IAW Cirrus Aircraft Inspection Checklist and FAR 43 Appendix D, as applicable. Changed oil and filter; serviced engine with 7 quarts of Aeroshell W100 oil and Tempest AA48109 filter. Compression check performed: 1) 76/80, 2) 72/80, 3) 74/80, 4) 74/80, 5) 75/80, 6) 76/80. Cleaned, gapped, tested, and rotated as applicable, all spark plugs. Checked magneto to engine timing, within spec. **Ads checked thru 2016-19. AD 2016-16-12, Continental Engines, Complied with. ECI Cylinders not installed on this aircraft.** Engine was ground run and leak checked; all engine systems verified to function correctly and to be within their normal operating ranges; no leaks noted. I certify that this engine has been inspected IAW an Annual inspection and was determined to be in airworthy condition.

John D. Story

A&P 2731800IA

Aircraft Maintenance Team, Inc.

2017 Flight Hobbs N771SL Cirrus SR22 S/N1405

06/24 1438.0 2758.3 TCM IO-550-N S/N 297483-R

Removed engine cowling. Drained engine oil and removed old oil filter, Tempest p/n: 48109. Installed new oil filter, Tempest p/n: 48109 and 8 quarts of Aeroshell W100 oil. Safety wired oil filter. Test ran, no leaks detected. Reinstalled engine cowling.



John D. Story

A&P 2731800 IA

Aircraft Maintenance Team, Inc.

Installed new #2 EGT probe PN: 16579-002 in accordance with Cirrus Maintenance Manual.

Installed new #2 EGT probe PN: 16579-002 in accordance with Cirrus Maintenance Manual. Aircraft returned to service for work performed.



Leighton Swatek

A&P 3676073

Aircraft Maintenance Team, Inc.

2018 HOBBS FLIGHT N771SL Cirrus SR22 S/N 1405

01/17 2899.7 1550.7 TCM IO-550-N S/N 297483-R




The following work was performed to install STC SA02268CH, Installation of the Airwolf Filter Corp. Air Oil Separator. Removed engine cowling. Removed cylinder #2 intake rocker cover, removed rocker arm, pushrod and pushrod tube. Installed new pushrod tube W-2155-2 with new seals. Re-installed pushrod, reinstalled rocker, torqued bolts to TCM spec and installed new locking clips on bolts. Re-installed rocker cover with new gasket. Completed installation of Airwolf Air/Oil Separator W-3000 IAW AIRWOLF FILTER CORP. installation drawing AFC-W360, revision C, dated 08/24/2006, (EB) Engine Baffle Installation. Form 337 completed, entered in logbook and copy sent to FAA. Engine test run completed, no leaks noted. Engine cowling re-installed. Aircraft returned to service.



Aircraft Maintenance Team, Inc.

John D. Story

A&P 2731800 IA

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK						
2017 9/23	<table border="1"> <tr> <td>FLIGHT</td> <td>ETI</td> <td>SMOH</td> </tr> <tr> <td>1485.1</td> <td>2382.7</td> <td>735.9</td> </tr> </table>	FLIGHT	ETI	SMOH	1485.1	2382.7	735.9	<p>N771SL CONT. IO-550-N S/N: 297483-R</p> <p>Performed an Annual inspection on this engine IAW Cirrus Aircraft Inspection Checklist and FAR 43 Appendix D, as applicable. Changed oil and filter; serviced engine with 7 quarts of Aeroshell W100 oil and Tempest AA48109 filter. Compression check performed: 1) 68/80, 2) 70/80, 3) 70/80, 4) 69/80 5) 71/80, 6) 68/80. Cleaned, gapped, tested, and rotated as applicable, all spark plugs. Checked magneto to engine timing, within spec. Ads checked thru 2017-19. Engine was ground run and leak checked; all engine systems verified to function correctly and to be within their normal operating ranges. I certify that this engine has been inspected IAW an Annual inspection and was determined to be in airworthy condition.</p>  <p>John D Story A&P 2731800IA Aircraft Maintenance Team, Inc.</p>
FLIGHT	ETI	SMOH						
1485.1	2382.7	735.9						
2018 11/7	<table border="1"> <tr> <td>FLIGHT</td> <td>ETT</td> <td>ETSO</td> </tr> <tr> <td>1676.7</td> <td>2574.3</td> <td>927.5</td> </tr> </table>	FLIGHT	ETT	ETSO	1676.7	2574.3	927.5	<p>N771SL CONT. IO-550-N S/N: 297483-R</p> <p>Performed an Annual inspection on this engine IAW Cirrus Aircraft Inspection Checklist and FAR 43 Appendix D, as applicable. Changed oil and filter; serviced engine with 7 quarts of Aeroshell 100 mineral oil and Tempest AA48109 filter. Compression check performed: 1) 68/80, 2) 70/80, 3) 70/80, 4) 42/80, 5) 71/80, 6) 50/80. Cylinders 4 and 6 removed, overhauled and re-installed by D&B Aircraft Engines. Cleaned, gapped, tested, and rotated as applicable, all spark plugs. Checked magneto to engine timing, within spec. Ads checked thru 2018-21. Engine was ground run and leak checked; all engine systems verified to function correctly and to be within their normal operating ranges. I certify that this engine has been inspected IAW an Annual inspection and was determined to be in airworthy condition.</p>  <p>John D Story A&P 2731800IA Aircraft Maintenance Team, Inc.</p>
FLIGHT	ETT	ETSO						
1676.7	2574.3	927.5						
		<p>N771SL Cirrus SR22 Date Performed: 11/28/2018 Engine: TCM IO-550-N S/N: 297483-R Flight Time: 1681.4 Hobbs: 3065.5 Installed new LH & RH champion ignition harness (p/n m1730) IAW Cirrus SR22 Aircraft Maintenance Manual chapter 74-20, sect 2, pg 1-2. Cowls reinstalled IAW said AMM chapter 71-10, Section B, pg. 4. Engine operations checked. Aircraft returned to service. end.</p>  <p>Nathaniel J. Hinman A&P4137331 Aircraft Maintenance Team, Inc 5915 Phillip J. Rhoads Avenue #105 Bethany, OK 73008</p>						

Tested #6 EGT probe. Removed cowls and tested EGT probe for proper values. Tested ok. Reinstalled probe and cowls. All work was accomplished in accordance with current federal aviation regulations and manufacturer's maintenance instructions. I certify that this engine has been determined to be in airworthy condition for work performed. Aircraft returned to service. End.

WORK

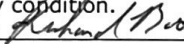
Nathaniel J. Hinman
Aircraft Maintenance Team, Inc
5915 Philip J. Rhoads Avenue #105
Bethany, OK 73008


Signature: Nathaniel Hinman - A&P4137331

DATE 2/12/2020 STEEL AVIATION INC
Engine LOG
N771SL S/N 1405
TACH 1757.7 Hobbs 3159.0
MAKE Cirrus Model SR22

130.3

1. C/W 100 HOUR/ANNUAL INSPECTION in accordance with FAR 43 APENDIX D, Using Cirrus AMM as a guide.
2. Removed, cut open oil filter and inspected, no defects noted. Installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
3. Checked compression #1 64 #3 70 # 5 72 #2 68 6 #4 76 #6 66 over 80. M.O 43.
4. R&R new Challenger air filter P/N CPE1178.
5. Clean gaped and rotated plugs.
6. Adjusted MIX rises.
7. R&R 6 New Barry engine mounts P/N96301.
8. R&R Muffler & heat exchanger P/NA14836-001, A14837-001.
9. R&R alt air ASSY P/N 15710-002.
10. C/W SB2X-05-02.
11. R&R 6 drain back seals P/N 08-11320.
12. R&R LH muffler ground strap P/NMS25038-6BP6.
13. R&R valve cover gaskets P/N655705.
14. Safety wired prop governor screw.

I certify that this engine has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.
A/P 2796210291/A Richard Booze 

	N771SL	
11-29-2020	3238.5	Drained oil from engine. Replaced Tempest 48109 Filter, Installed 8 QT W-100 Aero Shell. Checked tires.
Work done by Michael Salter		Air Craft Returned to Service
Private Pilot # 381 3825		
02-21-21	Hobbs 3278.5 FLT# 1956.2	Drained oil from engine. Replaced Tempest 48109 Filter Installed 8 QT W-100 oil. Found some squeaking noises on the braces and made up appointment for the annual to be done.
Work done by Michael Salter Private Pilot # 381 3825		AIRCRAFT Returned to Service

Huskey Aviation LLC, 508 Airport Road, Guthrie Oklahoma 73044. Hangar 24D
 April 1, 2021 Hobbs: 3289.3 TET: 2807.3 TSMOH: 1160.5
 Complied with a 100 hour inspection of this engine per FAR 43 Appendix D. Compression check as follows #1)-72 #2)-74 #3)-78 #4)-76 #5)-76 #6)-75. Removed spark plugs, cleaned tested and reinstalled with new gaskets. Bore scoped cylinders, all findings normal at this time. Removed mixture arm hardware and replaced bolt, tightened and pinned. Stop drilled small cracks in baffle close to oil cooler. Removed and replaced both #6 & #4 EGT probes P/N: 16579-002. Removed challenger air filter, cleaned, recharged and reinstalled. Removed propeller and removed crankshaft seal and reinstalled new P/N: 641250, replaced prop O-ring P/N: C-3317-228 and reinstalled prop and torqued according to Cirrus Airplane Maintenance Manual models SR22 and SR22T. Serviced engine with 8 Quarts of Phillips 20w50 and AA48109-2, cut open old filter and inspected for foreign materials, none noted at this time. Sent oil sample to black stone labs. I certify this engine was inspected in accordance with a 100 hour inspection and found in airworthy condition at this time.

A&P IA 3264787 *Ryan Huskey* Ryan Huskey

Huskey Aviation LLC. 508 Airport Road, Guthrie Oklahoma 73044. Hangar 24D
 July 10, 2021 Hobbs: 3336.4 N771SL
 Drained oil, removed filter, and cut open to check for foreign materials, none noted at this time. Serviced engine with 7 quarts of Phillips 20w50 and new AA48109-2. Washed engine, cowled and test ran. Checked for leaks none notable at this time. Approved for return to service for work performed.

A&P IA 3264787 *Ryan Huskey* Ryan Huskey

11/03/21	3388.7	Hobbs	Drained oil from engine. Removed Filter Flight,
	1952	Tacht	cut open oil filter & found it clean. Installed new
Miguel	Salvador	Tempest	4/8109 Oil Filter & added 8 quarts phillips 20-50 oil.
Private	#381	3821	Lubed throttle mixture & prop controls. checked tire pressures.
			Ground run with no leaks noted. Aircraft returned to service for work performed.

Huskey Aviation LLC, 508 Airport Road, Guthrie Oklahoma 73044. Hangar 24D
 July 01, 2022 Hobbs: 3437.7 TET: 2955.7 TSMOH: 1308.9
 Complied with a 100 hour inspection of this engine per FAR 43 Appendix D. Compression check as follows #1)-76 #2)-75 #3)-77 4)-76 #5)-78 #6)-75. Removed spark plugs, cleaned tested and reinstalled with new gaskets. Removed challenger air filter, cleaned, recharged and reinstalled. Serviced engine with 8 Quarts of Phillips 20w50 and AA48109-2, cut open old filter and inspected for foreign materials, none noted at this time. Sent oil sample to black stone labs. Checked Ads through 2022-13 no new noted at this time. I certify this engine was inspected in accordance with a 100 hour inspection and found in airworthy condition at this time.

A&P IA 3264787 *Ryan Huskey* Ryan Huskey