

Space Coast Aviation

Date: June 23, 2020 Reg: N271SG Tach: 7915.0 TTAF: 15326.5

Placed aircraft on jacks and removed right main gear wheel. Replaced tire with recapped 600-6 s/n 63207203. Repacked bearings with Aeroshell 22 grease. Reinstalled wheel. Removed aircraft from jacks. Airframe returned to service.

A&P

Space Coast Aviation

Date: July 15, 2020 Reg: N271SG Tach: 7980.6

	Serial #	Total Time	TSMO
Airframe:	2842071	15391.7	
Engine:	L-19665-39E	7385.9	1929.7
Prop:	A62469	3831.7	N/A

I certify that an Annual inspection has been performed on this airframe in accordance with FAR part 43 appendix D. Inspected skin for condition and cleanliness, inspected battery, seats and safety belts, tires, windows, fire extinguisher, instruments, brakes and hydraulics, fuel, electrical and pitot static systems. Inspected and lubricated flight controls and landing gear. Replaced vacuum regulator filter p/n B3-5-1. Inspected and tested ELT in accordance with FAR part 91.207d, batteries due for replacement December 2022. AD's researched through July 15, 2020, no airframe AD's due at this time. Airframe returned to service.

A&P

Space Coast Aviation

Date: September 18 2020 Reg: N271SG Tach: 8080.1

	Serial #	Total Time	TSMO
Airframe:	2842071	15491.2	
Engine:	L-19665-39E	7485.4	2029.2
Prop:	A62469	3931.2	N/A

I certify that a 100HR inspection has been performed on this airframe in accordance with FAR part 43 appendix D. Inspected skin for condition and cleanliness, inspected battery, seats and safety belts, tires, windows, fire extinguisher, instruments, brakes and hydraulics, fuel, electrical and pitot static systems. Inspected and lubricated flight controls and landing gear. Replaced vacuum regulator filter P/N B3-5-1. Replaced left and right fuel tank placards. Replaced left and right main gear tires with recapped 600-6s. Replaced both right brake linings p/n 066-10500. AD's researched through September 18 2020, no airframe AD's due at this time. Airframe returned to service.

A&P

Daniel Sweet

Space Coast Aviation

Date: 10-19- 2020 Reg: N271SG Tach: 8179.9

	Serial #	Total Time	TSMO
Airframe:	2842071	15591	
Engine:	L-19665-39E	7585.2	2129.0
Prop:	A62469	4031.0	N/A

I certify that a 100HR inspection has been performed on this airframe in accordance with FAR part 43 appendix D. Inspected skin for condition and cleanliness, inspected battery, seats and safety belts, tires, windows, fire extinguisher, instruments, brakes and hydraulics, fuel, electrical and pitot static systems. Inspected and lubricated flight controls and landing gear. Replaced vacuum regulator filter P/N B3-5-1. Replaced left and right recognition lights part number 01-0771888-01. AD's researched through 10-19-2020, no airframe AD's due at this time. Airframe returned to service.

A&P

Daniel Sweet

Space Coast Aviation

Date: November 27, 2020 Reg: N271SG Tach: 8279.0

	Serial #	Total Time	TSMO
Airframe:	2842071	15690.1	
Engine:	L-19665-39E	7684.3	2228.1
Prop:	A62469	4130.1	N/A

I certify that a 100HR inspection has been performed on this airframe in accordance with FAR part 43 appendix D. Inspected skin for condition and cleanliness, inspected battery, seats and safety belts, tires, windows, fire extinguisher, instruments, brakes and hydraulics, fuel, electrical and pitot static systems. Inspected and lubricated flight controls and landing gear. Replaced vacuum regulator filter P/N B3-5-1 and central air filter D9-18-1. AD's researched through November 27, 2020, no airframe AD's due at this time. Airframe returned to service.

A&P

Daniel Sweet

Space Coast Aviation

Date: December 23, 2020 Reg: N271SG Tach: 8378.7

	Serial #	Total Time	TSMO
Airframe:	2842071	15789.8	
Engine:	L-19665-39E	7784.0	2327.8
Prop:	A62469	4229.8	N/A

I certify that a 100HR inspection has been performed on this airframe in accordance with FAR part 43 appendix D. Inspected skin for condition and cleanliness, inspected battery, seats and safety belts, tires, windows, fire extinguisher, instruments, brakes and hydraulics, fuel, electrical and pitot static systems. Inspected and lubricated flight controls and landing gear. Replaced vacuum regulator filter P/N B3-5-1. Replaced left aileron forward and right aileron aft push rod end bearings p/n 352-335. Replaced left flap outboard hinge bearing p/n 452-387. Replaced left main gear tire with recapped 600-6. Replaced both left brake linings p/n 066-10500. AD's researched through December 23, 2020, complied with AD 2013-02-13 by inspection of horizontal stabilator control cables and turnbuckles in accordance with SB 1245A. Next due at TTAf 17789.8 or December 23, 2027. Airframe returned to service.

A&P

Daniel Sweet

Space Coast Aviation

Date: March 30, 2021 Reg: N271SG Tach: 8443.5

Replaced right main gear tire with recapped 600-6 s/n 01700284. Repacked bearings with Aeroshell 22 grease. Installed new wing root seals on both wings p/n WR-693. Airframe returned to service.

A&P

Space Coast Aviation

Date: April 16, 2021 Reg: N271SG Tach: 8478.4

	Serial #	Total Time	TSMO
Airframe:	2842071	15889.5	
Engine:	L-19665-39E	7883.7	2427.5
Prop:	A62469	4329.5	N/A

I certify that a 100HR inspection has been performed on this airframe in accordance with FAR part 43 appendix D. Inspected skin for condition and cleanliness, inspected battery, seats and safety belts, tires, windows, fire extinguisher, instruments, brakes and hydraulics, fuel, electrical and pitot static systems. Inspected and lubricated flight controls and landing gear. Replaced vacuum regulator filter P/N B3-5-1. Replaced nose gear tire with recapped 500-5. AD's researched through April 16, 2021 complied with AD 2020-26-16 by eddy current inspection of left and right lower outboard wing spar bolt holes performed by Power Aviation Inc in accordance with SB 1345. No cracks detected. Installed new spar bolts p/n NAS6606-13 and associated hardware in accordance with Piper Warrior Maintenance Manual Section IV. Next due at TTAF 20889.5. Airframe returned to service.

A&P

Rodney Rivera

AUTHORIZED RELEASE CE

FAA Form 8130-3, AIRWORTHINESS APPROVAL

150 SWETZER ROAD, LOOMIS, CA, 95650, PQ1260

8. Part Number:	9. Quantity:	10.
K66894-00	1	

APPROVAL
under PMA #PQ1260NM and is not a critical

Date: May 04, 2020 Reg: N271SG Tach: 7782.3

	Serial #	Total Time	TSMO
Airframe:	2842071	15193.8	
Engine:	L-19665-39E	7188.0	1731.8
Prop:	A62469	3633.8	N/A

I certify that a 100HR inspection has been performed on this engine in accordance with FAR part 43 appendix D. Drained oil and replenished with 8 quarts Aeroshell W100. Replaced oil filter with new CH 48110-1 checked oil screen and cut open old oil filter. No metal particles noted. Removed, cleaned, gapped, tested and refitted remaining spark plugs. Inspected hoses, exhaust, fuel and induction systems and accessories. Installed new induction air filter p/n BA-16. Performed differential compression test results as follows:

#1 71/80 #2 71/80 #3 65/80 #4 70/80 psi.
Replaced exhaust muffler p/n K66894-00 and researched through May 04, 2020, no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted.

A&P

Space Coast Aviation

Date: June 10, 2020 Reg: N271SG Tach: 7882.0

	Serial #	Total Time	TSMO
Airframe:	2842071	15293.5	
Engine:	L-19665-39E	7287.7	1831.5
Prop:	A62469	3733.5	N/A

I certify that a 100HR inspection has been performed on this engine in accordance with FAR part 43 appendix D. Drained oil and replenished with 8 quarts Aeroshell W100. Replaced oil filter with new CH 48110-1 checked oil screen and cut open old oil filter. No metal particles noted. Replaced all 4 lower spark plugs w/ new p/n REM40E. Removed, cleaned, gapped, tested and refitted remaining spark plugs. Inspected hoses, exhaust, fuel and induction systems and accessories. Installed new induction air filter p/n BA-16. Performed differential compression test results as follows:

#1 70/80 #2 70/80 #3 60/80 #4 74/80 psi.
AD's researched through June 10, 2020, no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted. Engine returned to service.

A&P

John Shaffer

Space Coast Aviation

Date: July 15, 2020 Reg: N271SG Tach: 7980.6

	Serial #	Total Time	TSMO
Airframe:	2842071	15391.7	
Engine:	L-19665-39E	7385.9	1929.7
Prop:	A62469	3831.7	N/A

I certify that an Annual inspection has been performed on this engine in accordance with FAR part 43 appendix D. Drained oil and replenished with 8 quarts Aeroshell W100. Replaced oil filter with new CH 48110-1 checked oil screen and cut open old oil filter, no metal particles noted. Replaced lower spark plugs in cylinder #1 and #2 with p/n REM40E. Cleaned, gapped, tested and refitted remaining spark plugs. Inspected hoses, exhaust, fuel and induction systems and accessories. Installed new induction air filter p/n BA-16. Performed differential compression test results as follows:

#1 60/80 #2 74/80 #3 62/80 #4 75/80 psi.
Replaced exhausted gasket on cylinder #3, p/n 77611. AD's researched through July 15, 2020 no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted. Engine returned to service.

A&P

John Shaffer

	Serial #	Total Time	TSMO
Airframe:	2842071	15491.2	
Engine:	L-19665-39E	7485.4	2029.2
Prop:	A62469	3931.2	N/A

AD's researched through **September 18 2020**, no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted. Engine returned to service.

A&P

Andrew Wyeth

Space Coast Aviation

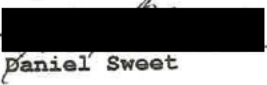
	Serial #	Total Time	TSMO
Airframe:	2842071	15591	
Engine:	L-19665-39E	7585.2	2129.0
Prop:	A62469	4031.0	N/A

AD's researched through 10-19- 2020, no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted. Engine returned to service.

A&P

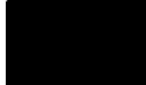
~~Daniel Sweet~~

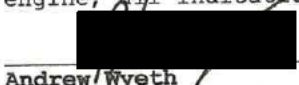
TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
Space Coast Aviation				
Date: November 27, 2020 Reg: N271SG Tach: 8279.0				
	Serial #	Total Time	TSMO	
Airframe:	2842071	15690.1		
Engine:	L-19665-39E	7684.3	2228.1	
Prop:	A62469	4130.1	N/A	
I certify that a 100HR inspection has been performed on this engine in accordance with FAR part 43 appendix D. Drained oil and replenished with 8 quarts Aeroshell W100. Replaced oil filter with new CH 48110-1 checked oil screen and cut open old oil filter, no metal particles noted. Replaced all lower plugs with new REM40E. Removed, cleaned, gapped, tested, and refitted remaining spark plugs. Inspected hoses, exhaust, fuel and induction systems and accessories. Installed new induction air filter p/n BA-16. Replaced cylinder #3&4 exhaust gaskets with new p/n 77611. Performed differential compression test results as follows: #1 60/80 #2 60/80 #3 62/80 #4 73/80 psi. AD's researched through November 27, 2020, no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted. Engine returned to service.				
 Daniel Sweet A&P 				

Date: 11-30-2020 Aircraft: N271SG Tach: 8270.7 TT: 7686.0 TSMOH: 2229.8

Removed defective vacuum pump and replaced with overhauled unit p/n 215CC s/n 192312. Ran up engine, all indications normal. Engine returned to service.

A&P 

Space Coast Aviation				
Date: December 23, 2020 Reg: N271SG Tach: 8378.7				
	Serial #	Total Time	TSMO	
Airframe:	2842071	15789.8		
Engine:	L-19665-39E	7784.0	2327.8	
Prop:	A62469	4229.8	N/A	
I certify that a 100HR inspection has been performed on this engine in accordance with FAR part 43 appendix D. Drained oil and replenished with 8 quarts Aeroshell W100. Replaced oil filter with new CH 48110-1 checked oil screen and cut open old oil filter, no metal particles noted. Replaced lower spark plugs in cylinders #2, #3 and #4. Removed, cleaned, gapped, tested, and refitted remaining spark plugs. Inspected hoses, exhaust, fuel and induction systems and accessories. Installed new induction air filter p/n BA-16. Replaced all four exhaust gaskets p/n 77611. Performed differential compression test results as follows: #1 71/80 #2 60/80 #3 72/80 #4 70/80 psi. AD's researched through December 23, 2020, no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel leaks noted. Engine returned to service.				
 Andrew Wyeth A&P 				
				TOTALS -Carry forward to next page

Page No. _____				
DATE	TOTAL TIME IN SERVICE	TOTAL / TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

~~Orange Coast Aviation~~

Date: April 16, 2021 Reg: N271SG Tach: 8478.4

	<u>Serial #</u>	<u>Total Time</u>	<u>TSMO</u>
Airframe:	2842071	15889.5	
Engine:	L-19665-39E	7883.7	2427.5
Prop:	A62469	4329.5	N/A

I certify that a 100HR inspection has been performed on this engine in accordance with FAR part 43 appendix D. Drained oil and replenished with 8 quarts Aeroshell W100. Replaced oil filter with new CH 48110-1 checked oil screen and cut open old oil filter, no metal particles noted. Removed, cleaned, gapped, tested, and refitted spark plugs. Inspected hoses, exhaust, fuel and induction systems and accessories. Installed new induction air filter p/n BA-16. Replaced #2 cylinder and piston assembly with new unit p/n 05K21100. Replaced all four exhaust gaskets p/n 77611. Performed differential compression test results as follows:

#1 70/80 #2 76/80 #3 68/80 #4 72/80 psi.

#1 70/80 #2 76/80 #3 68/80 #4 72/80 psi.
Replaced forward exhaust muffler p/n K66894-00. AD's researched through April 16, 2021,
no engine AD's due at this time. Ran up engine, all indications normal no oil or fuel
leaks noted. Engine returned to service.

~~Daniel Sweet~~

A&P

SUB-TOTALS this page

TOTALS-Carry forward to next page

LYCOMING 0-320-D3G

SN L-19665-39E

DECEMBER 31, 2016

This engine was disassembled, cleaned and inspected for overhaul in accordance with the LYCOMING OVERHAUL MANUAL and TABLE OF LIMITS, PN 60294-7, effective date 07/01/11. All steel parts were cleaned, visually, dimensionally and magnetic particle inspected by POWER/AVIATION WO#117063. The crankshaft, SN V537958869, PN 13B47024, was cleaned, visually, dimensionally inspected, sized, polished, magnetic particle inspected and inspected per SB475C, 505B, coated, marked per SB 530B and overhauled by D&S CAM CORP WO#14988. AIRCRAFT SPECIALTIES SERVICES performed the following work: the connecting rods were cleaned, rebushed, sized, visually, dimensionally and magnetic particle inspected per SB439A and overhauled...the crankshaft gear was visually, dimensionally, magnetic particle inspected, inspected in accordance with SB475C and overhauled and the camshaft was cleaned, visually, dimensionally, magnetic particle inspected and reconditioned on WO#'s 239988 and 240538. The crankshaft gear was installed in modified condition with new bolt, lock, torqued to 204 inch lbs. and lock tab bent in accordance with SB475C para.6 with parts supplied within kit, PN 05K19985. The crankcase was cleaned, visually, dimensionally, liquid penetrant inspected and overhauled by DIVCO, INC. WO#118556/116736. The cylinders were overhauled by LOTH ENGINEERING INC. WO#9367. The following parts were installed:

2 ea SL13884A nose bearings	1 ea 15M23451R camshaft	8 ea LRT23381 lifter body
4 ea SL16711A main bearings	1 ea SL-STD-1028-B O/P ball	1 ea SL-61084 O/P spring
8 ea SL61662A rod bearings	8 ea SL11795 springs	4 ea SL73857P10 ring
1 ea LW-18667 pin	8 ea SL11800 springs	8 ea SL74241P10 ring
8 ea SL78027 rod bolts	4 ea SL19001 ex valves	8 ea MS-19997-3 key
8 ea SL12186 rod nuts	4 ea MS-13998-3 caps	4 ea 17A23938R intake valves
1 ea 05K19985 crankshaft gear kit	8 ea SL60009 keys	3 ea SL-31H0.88 screw
1 ea STD-2246 bolt	4 ea SL13790A rocker shafts	4 ea 77611 ex-gaskets
1 ea LW18369 tab	8 ea SL12892 rocker shaft plugs	24 ea STD-1925 screws
1 ea 06A19956 seal	8 ea 74637 bushings	1 ea AF15472 pump SN OACI03
1 ea LW12795 gasket	1 ea 68759 line	4 ea LW14995 springs
1 ea LW14260 seal	1 ea 68760 line	1 ea SL53E19600 SN 50339
1 ea 78531 pump	2 ea 68761 lines	4 ea LW12272 lock plates
1 ea LW18109 gear	1 ea 23D26777 plunger	1 ea LW13792 seal
1 ea LW18110 gear	2 ea 72569 baffles	2 ea 71611 clips
1 ea 61174 drive	4 ea 69603 hoses	1 ea STD-1211 plug
4 ea SL13444-1 piston pin	4 ea STD-2180 hoses	4 ea LW12416R cylinders
4 ea ASC75089P10 piston	1 ea LW16783-18R dipstick	1 ea CH-48110-1 filter
1 ea MS-16625-2081 clip	1 ea 4371 magneto	1 ea 69371-1 gasket set
4 ea 76220P001 thru-stud	1 ea 4370 magneto	2 ea 71610 plates
1 ea M4001 harness	8 ea REM-38E spark plugs	4 ea SLR75906 gasket

This engine was reassembled in accordance with the LYCOMING OVERHAUL MANUAL and TABLE OF LIMITS, PN 60294-7, effective date 07/01/11 and PC 203-D3G, effective date 08/01/12. A new TEMPEST fuel pump was installed, SN OACI03. A new CHAMPION ignition harness and set of new CHAMPION spark plugs were installed. The magnetos, PN 4370 with SN16110476(RH) and PN 4371 with SN16060151(LH), were installed in new condition. This engine was serviced with 7 quarts AEROSHELL 100 and installed on test stand. Test carburetor, starter and flywheel installed. Engine operated for approx. 1 hour. All temps and pressures monitored were normal. Oil filter removed, inspected and new filter installed. Test accessories removed. The carburetor, 10-5217 with SN MSC35923, was supplied in overhauled condition by MARVEL SCHEBLER AIRCRAFT CARBURETORS, WO#D359. Engine is ready for installation of serviceable, overhauled or new accessories and test run per SI 1427C by certificated individual returning this engine to service. The following SB's were complied with: 222D, 238, 240S, 271A, 370, 388C, 400, 439A, 466, 475C, 477A, 501B, 505B, 518C, 519, 520, 524, 527C, 530B, 533A, 540, 548A, 578, 582, 583, 584, 603 and 622.

The following AD's were complied with:

67-01-04	N/A due to CH48110-1 filter installed
73-23-01 R4	installed SL13444-1 pin assembly
75-08-09 R3	installed 61174 drive and 18109 and 18110 gears in single piece housing
80-06-05	N/A due to 4300 series magnetos installed
81-16-05	N/A due to SN and PN of impulse magneto installed
87-10-06 R1	Inspected, magnetic particle inspected and re bushed rocker arm assemblies
90-04-06 R1	N/A due to application
92-12-05	installed SL13444-1 pin assembly
93-19-04	N/A due to MSC O/H'ed carburetor PN 10-5217 with SN MSD26816
95-26-02	100/130- octane only
96-09-10	installed 18109 and 18110 gears (Nitride and Carbide)
97-15-11	installed SL13444-1 pin assembly
98-01-06	N/A due to carburetor O/H ed by MSC 10/16 with single piece venturi
98-02-08	Crankshaft inspected, marked and coated per SB505B and 530B
98-17-11C	N/A - crankshaft, SN V537958869, certified by D&S CAM CORP. WO#14988- NOT- NELSON BALANCING
2004-10-14C	Crankshaft and gear inspected and installed w/new bolt, lock, torqued to 204 inch lbs. and locked per SB475C para. 6
2006-12-07	N/A due to LW12416R cylinders installed
2007-04-19R1	N/A No SUPERIOR cylinders installed
2009-26-12	N/A due to LW12416R cylinders installed
2012-03-07	N/A due to engine model and carburetor MA4SPA provided
2015-02-07	N/A due to engine model 0-320-D3G

(END)

Michael L. Geberth

ETT-5457-00-
TSOH -0-

Space Coast Aviation

Date: May 04, 2020 Reg: N271SG Tach: ~~7682.9~~ 7782.3 DS

	Serial #	Total Time	TSMO
Airframe:	2842071	15193.8	
Engine:	L-19665-39E	7188.0	1731.8
Prop:	A62469	3633.8	N/A

DAT

I certify that a 100HR inspection has been performed on this propeller in accordance with FAR part 43 appendix D. AD's researched through May 04, 2020 h, no propeller AD's due at this time. Propeller returned to service.

Andrew Wyeth

A&P

Space Coast Aviation

Date: June 10, 2020 Reg: N271SG Tach: 7882.0

	Serial #	Total Time	TSMO
Airframe:	2842071	15293.5	
Engine:	L-19665-39E	7287.7	1831.5
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John Shaffer

A&P

Space Coast Aviation

Date: July 15, 2020 Reg: N271SG Tach: 7980.6

	Serial #	Total Time	TSMO
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Engine:	L-19665-39E	7385.9	1929.7
Prop:	A62469	3831.7	N/A

I certify that an Annual inspection has been performed on this propeller with FAR part 43 appendix D. AD's researched through July 15, 2020, no AD's at this time. Propeller returned to service.

John Shaffer

A&P

Space Coast Aviation

Date: September 18 2020 Reg: N271SG Tach: 8080.1

	Serial #	Total Time	TSMO
Airframe:	2842071	15491.2	
Engine:	L-19665-39E	7485.4	2029.2
Prop:	A62469	3931.2	N/A

I certify that a 100HR inspection has been performed on this propeller in accordance with FAR part 43 appendix D. AD's researched through September 18 2020, no propeller AD's due at this time. Propeller returned to service.

Andrew Wyeth

A&P

N# 271SG
Rev. Nr. 1
Rev. Date Feb 2009

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