

**LOGBOOK  
ENGINE**


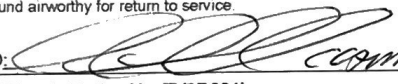
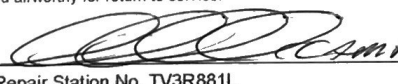
**N555FK**

# **ENGINE LOG BOOK**



# **CONTINENTAL MOTORS**



Date	Total Time 1/10		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
4-17-02	0	0			Serviced Engine with 8 Qts of Phillips 20 Straight Mineral Oil on 4/17/02 by 
17 JUNE 02	46	7			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS <i>John R. Long</i> , OWNER
18 SEPT 02	90	0			CHANGED ENGINE OIL & FILTER ADDED 7 QTS AEROSHELL 15W50 CHECKED FOR LEAKS <i>John R. Long</i> , OWNER
ENGINE MODEL: IO-550-N ENGINE S/N: 686231 REG. NO: 555FK WORK ORDER: 8381					Air West Aircraft Engines 670 Airport Blvd. San Carlos, CA 94070 Repair Station No. TV3R881L
<b>Engine Entries</b> R & I RH magneto; installed new Tach Sensor p/n 655862... Fuel system set-up & adjustment completed IAW TCM SID97-3A... The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.					DATE: 11/22/2002 TTA 94 50 TTE 94 50 HOBBS 94 50
DATE: 11/22/2002 SIGNED:  WORK ORDER: 8381 Certified Repair Station No. TV3R881L Printed by EBis (http://www.datcomedia.com)					
ENGINE MODEL: IO-550-N ENGINE S/N: 686231 REG. NO: 555FK WORK ORDER: 8717					Air West Aircraft Engines 670 Airport Blvd. San Carlos, CA 94070 Repair Station No. TV3R881L
<b>Engine Entries</b> Installed new oil cooler p/n 654585 s/n 102-200-710... The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.					DATE: 1/3/2003 TTA 101 80 TTE 101 80 HOBBS 101 80
DATE: 1/3/2003 SIGNED:  WORK ORDER: 8717 Certified Repair Station No. TV3R881L Printed by EBis (http://www.datcomedia.com)					
15 MAR 03	136	6			CHANGED ENGINE OIL & FILTER ADDED 7 QTS. AEROSHELL 15W50 CHECKED FOR LEAKS <i>John R. Long</i> , OWNER

Date	Total Time 1/10		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	→				
7 MAY 03	157	5			N555FK 5-7-03 REPLACED RH MAG 56RSC-25-NEW. PIN 10-500556-1 SIN OFF D02CA029 SIN ON D03AA159. GROUND RUN POWER & PERFORMANCE CHECK.  AWP 488708815

ENGINE MODEL IO-550-N  
ENGINE S/N 686231  
REG NO 555FK  
WORK ORDER 9111

### Air West Aircraft Engines

670 Airport Blvd  
San Carlos, CA 94070

Repair Station No. TV3R881L

DATE: 5/23/2003  
TTA 161 90  
TTE 161 90  
HOBBS: 161 90

### Engine Entries

Completed ANNUAL Inspection IAW Cirrus Design SR-22 manual & Air West Aircraft Engines Scope & Detail.... Changed Oil & Filter. Filter inspected; O.K. Serviced with Aeroshell 15w50 oil.... Accomplished TCM Top Care Health Checklist, Form No. SID97-2 ... Compression as follows: 1-75, 2-74, 3-75, 4-74, 5-74, 6-72/80 psi. ...

The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.

DATE: 5/23/2003

SIGNED:

Nelson Andrade  
Certified Repair Station No. TV3R881L

WORK ORDER: 9111

Printed by EBIS (<http://www.datcomedia.com>)

21 JULY 03	198	2			CHANGED ENGINE OIL & FILTER ADDED 7QTS AEROSHELL 15W-50 CHECKED FOR LEAKS  Mr. R. Long, OWNER
18 DEC 03	240	8			CHANGED ENGINE OIL & FILTER ADDED 7 QTS AEROSHELL 15W-50 CHECKED FOR LEAKS  Mr. R. Long, OWNER

ENGINE MODEL IO-550-N  
ENGINE S/N 686231  
REG NO 555FK  
WORK ORDER 9180

### Air West Aircraft Engines

670 Airport Blvd  
San Carlos, CA 94070

Repair Station No. TV3R881L

DATE 5/5/2004  
TTA 281 80  
TTE 281 80  
HOBBS 281 80

### Engine Entries

Completed ANNUAL Inspection IAW Cirrus Design SR-22 manual & Air West Aircraft Engines Scope & Detail.... Changed Oil & Filter. Filter inspected; O.K. Serviced with Aeroshell 15w50 oil.... Compression as follows: 1-76, 2-76, 3-74, 4-74, 5-74, 6-76/80 psi... Adjusted fuel flow per TCM SID97-3...

The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service

DATE: 5/5/2004

SIGNED:

Nelson Andrade  
Certified Repair Station No. TV3R881L

WORK ORDER: 9180

Printed by EBIS (<http://www.datcomedia.com>)

# 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 For

ENGINE MODEL: 10-550-N  
ENGINE S/N: 686231  
REG NO: 555FK  
WORK ORDER: 10435

## Air West Aircraft Engines

670 Airport Blvd  
San Carlos, CA 94070

Repair Station No. TV3R881L

DATE: 6/25/04  
TTA: 304.50  
TTE: 304.50  
HOBBS: 304.50

### Engine Entries

Swap Fuel Injector nozzles in Cylinders #1 & 2, EGT indications did not change; recommend installing GAMijectors ... Removed TCM fuel nozzles and installed GAMijectors kit no. TIG-550-12E, s/n 12637 IAW GAMijector installation procedure no. IP-2001-01; ground run and leak check ok ...

The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.

DATE: 6/25/04

SIGNED:

Nelson Andrade

Certified Repair Station No. TV3R881L

WORK ORDER: 10435

Printed by EBis (<http://www.datcomedia.com>)

17 AUG 2004 330 8

CHANGED ENGINE OIL & FILTER

ADDED 7QTS AEROSNELL 15W-50

CHECKED FOR LEAKS

Tom R. Linc, OWNER

ENGINE MODEL: 10-550-N  
ENGINE S/N: 686231  
REG NO: 555FK  
WORK ORDER: 11054

## Air West Aircraft Engines

670 Airport Blvd.  
San Carlos, CA 94070

Repair Station No. TV3R881L

DATE: 11/5/2004  
TTA: 359.70  
TTE: 359.70  
HOBBS: 359.70

### Engine Entries

Installed TCM rebuilt LH magneto, BL-500556-1 s/n D04HA103R...

The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.

DATE: 11/5/2004

SIGNED:

Chris Camp

Certified Repair Station No. TV3R881L

WORK ORDER: 11054

Printed by EBis (<http://www.datcomedia.com>)

ENGINE MODEL: 10-550-N  
ENGINE S/N: 686231  
REG NO: 555FK  
WORK ORDER: 12175

## Air West Aircraft Engines

670 Airport Blvd.  
San Carlos, CA 94070

Repair Station No. TV3R881L

DATE: 1/20/2005  
TTA: 372.00  
TTE: 372.00  
HOBBS: 372.00

### Engine Entries

Cleaned, gapped, and tested spark plugs. ... Removed all camshaft lifters. Inspected all camshaft lobes and lifter faces for wear. No excessive wear found. Engine runup and checked for normal operation and leaks. All ops. checks OK....

The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.

DATE: 1/20/2005

SIGNED:

Dan Miller

Certified Repair Station No. TV3R881L

WORK ORDER: 12175

Printed by EBis (<http://www.datcomedia.com>)



Date	Total Time 1/10		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
22 FEB 2005	383	6			CHANGED ENGINE OIL & FILTER ADDED 7QTS AEROSHELL 15W50 CHECKED FOR LEAKS Rm, OWNER

### West Valley Flying Club

Date: 06-09-05 Tach: 399 ACTT:399 ETSMOH: 399

Inspected engine using Cirrus SR22 MM 100 hr checklist as a guide. Drained oil and replaced with 8qts 15W50 oil. Inspected old filter, no contaminants found. Installed ES48108 filter. Compression check 74/80 or better. Installed new spark plugs P/N: RHB32E. Installed air filter P/N:BA-111.

I certify this engine is airworthy.

Annette Stichel A&P 606981190

*A. Stichel*

### West Valley Flying Club

Date: 06/10/05 ACTT: 399 Tach: 399 ETSNEW: 399

**Annual inspection** completed using the Cirrus 100 Hr checklist.

As a guide. **This Engine is Airworthy.**

Kevin Pinger A&P5745437721A

*Kevin Pinger*

6 JAN 2006	444	8			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS Rm, OWNER
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N555FK  
IO-550-N  
s/n 686231

Diamond Aviation  
620 Airport Dr., Ste.1  
San Carlos, CA

7/1/2006  
Hobbs: 482.5  
TTE: 482.5

#### Engine Logbook Entry

Completed **ANNUAL** Inspection & service IAW Cirrus SR-22 Maintenance Manual & FAR 43, Appendix D. A.D's checked thru Issue 2006-12. Changed oil & filter, filter & screen inspected, ok. Serviced engine with CH48108-1 filter and Aeroshell 15w50 oil. Compression as follows; 1-76, 2-76, 3-75, 4-74, 5-74, 6-76/80 psi. R & I RH magneto, install new gasket p/n 534750. Washed, ran, leak & opps checked ok. I certify that this Engine has been inspected in accordance with an **ANNUAL** inspection and was determined to be in **AIRWORTHY** condition. Returned to service. -----end-----

*Chris Camph*

Chris Camph 561758012 IA 7/1/2006





Date	Total Time 1/10		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
15 FEB 2008	636	7			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS <i>ERH</i> , OWNER

### TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340  
MERCED MUNICIPAL AIRPORT  
(209) 722-7700 FAX (209) 722-3402

N 555FK

TACH 685.3

TT 685.3

DATE 9/5/08

CHANGED OIL, FILTER REPLACED, COMPRESSION CHECKED CYLINDER #1-78/80  
#2-78/80 #3-74/80 #4-78/80 #5-64/80 #6-76/80, SPARK PLUGS CLEANED AND GAPPED,  
TIMING CHECKED, WASHED DOWN ENGINE AND PERFORMED RUN-UP.

APPLIED SEALANT TO CHAFFED HOSE ON AIR INDUCTION TUBE TO PREVENT  
FURTHER CHAFFING

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN  
ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Tom E. Lopes  
AP572492099IA

CIRRUS

12-3-08 tach 693.8  
Installed Overhauled  
Magnetoes BY  
Power Aviator  
7422 AP3277903

6 MAY 2009	713	1			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS <i>ERH</i> , OWNER
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### PALO ALTO AERO SERVICE3S INC.

Date. 10/15/09

Tach. 739\*

Total. 739

S.M.O.739

I certify I have inspected this engine  
in accordance with an annual inspection  
in found to be in airworthy condition  
and returned to service.

Ken Phillips IA 3277903

*Ken Phillips*

Date	Total Time 11/10		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
24 MAY 2010	766	7			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS K. R. W., OWNER

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231



West Valley Aircraft Services, LLC.  
Embarcadero Rd. Hangar B. Palo Alto, CA 94303  
Tel. (650) 565-0063

11 17 2010  
MX Hobbs: 793.6  
TTE: 793.6

**Engine Entry:**

Completed **Annual Inspection** of the engine using the Cirrus SR22 maintenance manual 100 hour checklist as a guide. Checked compression: 1) 76/80 2) 74/80 3) 74/80 4) 74/80 5) 72/80 6) 75/80. Checked engine to magneto time, okay. Drained oil and serviced engine with 8 quarts of Aeroshell 15W50. Replaced oil filter P/N CH48108-1. Cut open old filter, no excessive contaminants found. Took oil analysis to be sent to Aviation Laboratories. Removed and inspected spark plugs and reinstalled with new gaskets P/N M674 and torqued in accordance with the TCM IO-550 maintenance manual. Inspected throttle, propeller, and mixture controls. Inspected fuel and oil lines. Performed engine run-up, leak, power, and indication check, normal. This engine is airworthy.

*[Signature]*

Kevin R. Pinger A&P 3236526 LA

10 JUNE 2011	816	3			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS K. R. W., OWNER
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Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231



West Valley Aircraft Services, LLC.  
Embarcadero Rd. Hangar B. Palo Alto, CA 94303  
Tel. (650) 565-0063

11/28/2011  
MX Hobbs: 851  
TTE: 851

**Engine Entry:**

Completed **Annual Inspection** of the engine using the Cirrus SR22 maintenance manual 100 hour checklist as a guide. Checked compression (Master Orifice 44): 1) 74/80 2) 75/80 3) 76/80 4) 75/80 5) 72/80 6) 74/80. Checked engine to magneto time, okay. Drained oil and serviced engine with 8 quarts of Aeroshell 15W50. Replaced oil filter P/N CH48108-1. Cut open old filter, no excessive contaminants found. Removed and inspected spark plugs and reinstalled with new gaskets P/N M674 and torqued in accordance with the TCM IO-550 maintenance manual. Inspected throttle, propeller, and mixture controls. Inspected fuel and oil lines. Performed engine run-up, leak, power, and indication check, normal. Airworthiness Directives current through 2011-24. I certify that this engine has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition.

*[Signature]*

Kevin R. Pinger A&P 3236526 LA

1 JUNE 2012	870	8			CHANGED ENGINE OIL & FILTER ADDED 8 QTS AEROSHELL 15W50 CHECKED FOR LEAKS K. R. W., OWNER
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D



12/4/2012  
MX Hobbs: 890.9  
TTE: 890.9

## Record

inspections,

Brought

Kevin R. Pinger A&P 3236526 LA

7/3/2013  
MX Hobbs: 920.8  
TTE: 920.8

Kevin R. Pinger A&P 3236526 L4

1/14/2014  
MX Hobbs: 952.4  
TTA: 952.4  
TTE: 952.4

Kevin R. Pinger A&P 3236526 I-1

ARK, OWNER

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

West Valley Aircraft Services, Inc.  
Embarcadero Rd. Hangar B, Palo Alto, CA 94303  
Tel. (650) 565-0063

2/26/2015  
MX Hobbs: 996.4  
TTA/TTE: 996.4

Date

Tot

Hrs.

Brought Forward

**Engine Entry:**

Completed **Annual Inspection** of the engine using the Cirrus SR22 maintenance manual 100 hour checklist as a guide. Compression (Master Orifice 42): 1) 76 2) 76 3) 77 4) 78 5) 77 6) 78/80. Checked engine to magneto timing, okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter, no abnormal contaminants found. Inspected throttle, propeller, and mixture controls. Removed, cleaned and inspected the spark plugs, installed/torqued with new gaskets M674. Performed engine run-up, leak, power, and indication check, normal. Airworthiness Directives current through 2015-04, no new applicable AD's. I certify this engine has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition, this engine is returned to service.



Kevin R. Pinger, A&P 3236526 LA

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

West Valley Aircraft Services, Inc.  
Embarcadero Rd. Hangar B, Palo Alto, CA 94303  
Tel. (650) 565-0063

8/24/2015  
MX Hobbs: 1017.9  
TTA/TTE: 1017.9

**Engine Entry:**

Drained the oil and serviced engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter, no abnormal contaminants found. Performed run up, power and leak check, no leaks found.



Kevin R. Pinger, A&P 3236526 LA

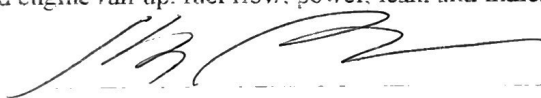
Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

West Valley Aircraft Services, Inc.  
Embarcadero Rd. Hangar B, Palo Alto, CA 94303  
Tel. (650) 565-0063

8/8/2016  
MX Hobbs: 1073.9  
TTA/TTE: 1033.9

**Engine Entry:**

Completed **Annual Inspection** of the engine using the Cirrus SR22 maintenance manual 100 hour checklist as a guide. Compression (Master Orifice 42): 1) 78 2) 78 3) 75 4) 78 5) 76 6) 76/80. Checked engine to magneto timing, okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter, no abnormal contaminants found. Inspected the engine controls. Removed, cleaned and inspected the spark plugs, installed/torqued with new gaskets p/n M674 (qty 12). Inspected the alternator and starter mounting and connections. Checked the Performed engine run-up, fuel flow, power, leak, and indication check, all parameters normal.



Kevin R. Pinger, A&P 3236526 LA

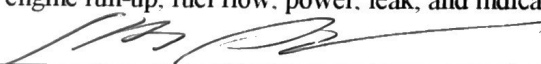
Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

**AERO WORKS dba**  
Embarcadero Rd. Hangar B, Palo Alto, CA 94303  
Tel. (650) 565-0063

4/21/2017  
MX Hobbs: 1060.1  
TTA/TTE: 1060.1

**Engine Entry:**

Completed **Annual Inspection** of the engine using the Cirrus SR22 maintenance manual 100 hour checklist as a guide. Compression (Master Orifice 42): 1) 77 2) 77 3) 76 4) 75 5) 74 6) 74/80. Checked engine to magneto timing, okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter, no abnormal contaminants found. Inspected the engine controls. Removed, cleaned and inspected the spark plugs, installed/torqued with new gaskets p/n M674 (qty 12). Checked torque on all fluid lines and hoses. Inspected the alternator and starter mounting and connections. Inspected the intake and exhaust headers. Inspected the fuel nozzles. Performed engine run-up, fuel flow, power, leak, and indication check, all parameters normal.



Kevin R. Pinger, A&P 3236526 LA

27 MAR 2018

1079

5

CHANGED ENGINE OIL & FILTER

ADDED 8 QTS. AEROSHELL 15W50

CHECKED FOR LEAKS

 , OWNER



Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

**AERO WORKS** dba  
Embarcadero Rd. Hangar B. Palo Alto, CA 94303  
Tel. (650) 565-0063

5/15/2018  
MX Hobbs: 1082.5  
TTA/TTE: 1082.5

**e Record**  
ial Inspections,

**Engine Entry:**

Completed **Annual Inspection** of the engine using the Cirrus SR22 maintenance manual 100 hour checklist as a guide. Compression (Master Orifice 42): 1) 74 2) 73 3) 75 4) 75 5) 74 6) 76/80. Checked engine to magneto timing, okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter, no abnormal contaminants found. Inspected the engine controls. Removed, cleaned and inspected the spark plugs, installed/torqued with new gaskets p/n M674 (qty 12). Checked torque on all fluid lines and hoses. Inspected the alternator and starter mounting and connections. Inspected the intake and exhaust headers. Inspected the fuel nozzels. Performed engine run-up, fuel flow, power, leak, and indication check, all parameters normal.

*Kevin R. Pinger A&P 3236526 LA*

3 APRIL 2019

1102 9

CHANGED ENGINE OIL & FILTER

ADDED 8 QTS AEROSHELL 15W-50

CHECKED FOR LEAKS

*ERL*, OWNER

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

**AERO WORKS** dba  
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303  
Tel. (650) 565-0063

6/26/2019  
MX Hobbs: 1142.0  
TTA/TTE: 1142.0

**Engine Entry:**

Compression (Master Orifice 42): 1) 74 2) 73 3) 76 4) 75 5) 75 6) 74/80. Checked engine to magneto timing, okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter, no abnormal contaminants found. Inspected the engine controls. Borescoped the cylinders, okay. Removed and inspected the spark plugs, installed/torqued with new gaskets p/n M674 (qty 12). Inspected the alternator and starter mounting and connections. Inspected the intake and exhaust headers. Inspected the fuel nozzels. Performed engine run-up, fuel flow, power, leak, and indication check, all parameters normal.

*Kevin R. Pinger A&P 3236526 LA*

Details on file at this facility under Work Order No. 2019-3911

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

**AERO WORKS** dba  
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303  
Tel. (650) 565-0063

1/17/2020  
MX Hobbs: 1170.5  
TTA/TTE: 1170.5

**Engine Entry:**

Drained oil and serviced the engine with 7 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48109-1. Performed engine run-up, fuel flow, power, leak, and indication check, all parameters normal.

*Kevin R. Pinger A&P 3236526 LA*

Details on file at this facility under Work Order No. 2020-4109

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

**AERO WORKS** dba  
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303  
Tel. (650) 565-0063

7/28/2020  
MX Hobbs: 1178.6  
TTA/TTE: 1178.6

Date

Hi

Brought Forward

**Engine Entry:**

Compression (Master Orifice 42): 1) 76 2) 76 3) 77 4) 77 5) 76 6) 77/80. Checked engine to magneto timing. okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48108-1. Cut open old filter. no abnormal contaminants found. Inspected the engine controls. Borescoped the cylinders. okay. Removed and inspected the spark plugs. installed/torqued with new gaskets p/n M674 (qty 12). Inspected the alternator and starter mounting and connections. Inspected the intake and exhaust headers. Performed engine run-up. fuel flow. power. leak. and indication check. all parameters normal.

*Kevin R. Pinger* A&P 3236526 LA

Details on file at this facility under Work Order No. 2020-4208

Reg. No. N555FK  
TCM IO-550N7  
Serial No. 686231

**AERO WORKS** dba  
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303  
Tel. (650) 565-0063

8/3/2021  
MX Hobbs: 1193.4  
TTA/TTE: 1193.4

**Engine Entry:**

Compression (Master Orifice 42): 1) 77 2) 76 3) 76 4) 78 5) 77 6) 77/80. Checked engine to magneto timing. okay. Drained oil and serviced the engine with 8 quarts of Aeroshell 15W50. Replaced oil filter p/n CH48109-1. Cut open old filter. no abnormal contaminants found. Inspected the engine controls. Borescoped the cylinders. okay. Removed and inspected the spark plugs. installed/torqued with new gaskets p/n M674. Inspected the alternator and starter mounting and connections. Inspected the intake and exhaust headers. Performed engine run-up. fuel flow. power. leak. and indication check. all parameters normal.

*Kevin R. Pinger* A&P 3236526 LA

Details on file at this facility under Work Order No. 2021-4504

Reg. No. N555FK  
CMI IO550N7  
Serial No. 686231



**AERO WORKS** dba  
1901 Embarcadero Rd. Executive Hangar One, Palo Alto, CA 94303  
Tel. (650) 565-0063

9/15/2022  
Hobbs: 1237.0  
Tach/TTA: 1237.0

**Engine Entry:**

Compression (Master Orifice 42): 1) 77 2) 76 3) 77 4) 76 5) 76 6) 74/80. Checked engine to magneto timing. okay. Drained the oil and serviced the engine with 8 quarts of Aeroshell 15W50 and filter p/n CH48109-1. Cut open old filter. no abnormal contaminants found. Inspected the engine controls. Borescoped the cylinders. okay. Performed engine run-up. fuel flow. power. leak. and indication check. all parameters appear normal at this time. Airworthiness Directives current through bi-weekly revision 2022-19. no new applicable AD's. I certify that this engine has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition.

SIGNED:

*Carrie L. Ferguson*

Details on file at this facility under Work Order No. 2022-4882 Carrie L. Ferguson F.A.A. Certified Repair Station No. 1LYR437D