

N78720

# ENGINE LOG BOOK



Fairhope, Alabama



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b>
	Hours	Min	Hours	Min	
					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

DATE: October 16, 2019	ENGINE MODEL: O470R25B	ENGINE S/N: 822013	ENGINE TT/SMOH 1127.95 / 0
 <b>CONTINENTAL SERVICES</b> Fairhope, Alabama, USA			
<p>This is to certify that the engine described hereafter has been OVERHAULED to manufacturers new parts limits as listed in Maintenance and Overhaul Manual X30586 (revision date 10/13) and Standard Practices Manual M-0 (09/19). Engine assembled in accordance with X30586 using new seals, gaskets, and "O" rings. New connecting rod bolts, nuts and bearings, and crankshaft bolts and bearings installed. Applicable Service Bulletins and Airworthiness Directives have been complied with. This engine has been tested in accordance with procedures listed in X30586 and has been accepted. I certify that this engine has been inspected and repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility. Work Order SH-9069.</p>			
<p>Complied with: M87-23, M93-4, M93-8, MSB94-8D, MSB96-10B, SB04-10, SB07-1, SB08-12, SB18-07, SB653, SB658, SB97-11, SID96-6.</p>			
MECHANIC: 		9CER853B	AUTHORIZATION:  9CER853B

ENGINE MODEL O-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
7200-05-2019



**Top Gun Aviation, Inc.**  
6100 S Lindbergh St  
Stockton, CA 95206 USA  
Phone: 209-983-8062

DATE 12/27/2019  
A/C TSN 4518 35  
ENG TT 1127 95  
TACH 4518 35

**Engine Entries**

(1) Re-installed Continental O-470-R, S/N 822013-R after overhaul by Continental Services. Serviced engine with 12 quarts of Aeroshell 100 Mineral. Replaced cylinder #3 CHT probe, checked OK. Performed engine break-in ground run and test flight IAW TCM SB M89-7R1. Post engine break-in flight compression check of engine cylinders. #1 70/80, #2 74/80, #3 74/80, #4 74/80, #5 74/80, #6 74/80. Re-torqued exhaust system.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 12/27/2019

SIGNED:

Mark T. Rutch License 5665314-11A

Work Order: 7200-05-2019

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ENGINE MODEL O-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
7174-03-2019



**Top Gun Aviation, Inc.**  
6100 S Lindbergh St  
Stockton, CA 95206 USA  
Phone: 209-983-8062

DATE 1/1/2020  
A/C TSN 4518 35  
ENG TT 1127 95  
TSMOH 0 1  
TACH 4518 35

**Engine Entries**

(29) CW AD 96-12-22 Oil Filter Adapter, checked okay.... (36) Completed 100hr/Annual inspection.

I certify that this ENGINE is airworthy with respect to the work performed

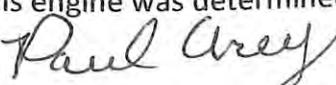
DATE: 1/1/2020

SIGNED:

Mark T. Rutch License 5665314-11A

Work Order: 7174-03-2019

Printed by EBIS 3 (datcomedia.com)

05-05-2021 Engine S/N 822013-R, Model O-470-R on A/C N78720, S/N 18261776, Model 182P. Aircraft TACH time 4559.1, Engine TT 1168.7, Time SMOH 40.7 - Performed Annual Inspection IAW FAR 43 App. D & Continental O-470-R engine M/M inspection instructions for model type. Cylinder compression check readings: #1 74/80, #2 76/80, #3 76/80, #4 76/80, #5 76/80, #6 76/80. C/W AD 96-12-22 oil filter adapter check, check satisfactory. This engine was determined to be in an airworthy condition on this date. Paul Arey IA 561414593 



THIS BOOK RECREATED FROM AVAILABLE RECORDS ON 10-17-2016

**ENGINE MAINTENANCE RECORD**

LOG CLOSED 1-1-2020

AIRCRAFT SERIAL AND REGISTRATION 78720

ENGINE MODEL AND SERIAL O-470-R25 s/n 822013-R

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p>ENGINE MODEL Q-470-R ENGINE S/N 822013-R REG NO 78720 WORK ORDER 6931-04-2018</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: left;"> <p><b>Top Gun Aviation, Inc.</b> 6100 S. Lindbergh St Stockton, CA 95206 USA Phone: 209-983-8082</p> </div> </div> <p style="text-align: right; margin-top: 10px;">DATE: <u>5-25-18</u> A/C TSN 4473 4 ENG TT 1083 TACH 4473 4</p> <p><b>Engine Entries</b> (2) Replaced crankshaft seal with new.... (6) Replaced #1 cylinder pushrod tube seals.</p> <p>I certify that this ENGINE is airworthy with respect to the work performed.</p> <p>DATE: _____ SIGNED:  Mark T. Rouch, License: 566531421 IA</p> <p style="text-align: right; margin-top: 10px;">Work Order: 6931-04-2018 Printed by EBis 3 (datcomedia.com)</p>	
			<p>ENGINE MODEL Q-470-R ENGINE S/N 822013-R REG NO 78720 WORK ORDER 7200-05-2019</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: left;"> <p><b>Top Gun Aviation, Inc.</b> 6100 S. Lindbergh St Stockton, CA 95206 USA Phone: 209-983-8082</p> </div> </div> <p style="text-align: right; margin-top: 10px;">DATE: <u>8/19/2019</u> A/C TSN 4518 35 ENG TT 1127 95 TACH 4518 35</p> <p><b>Engine Entries</b> (3) Removed engine and sent to TCM for teardown inspection and repair.</p> <p>I certify that this ENGINE is airworthy with respect to the work performed.</p> <p>DATE: <u>8/19/2019</u> SIGNED:  Mark T. Rouch, License: 566531421 IA</p> <p style="text-align: right; margin-top: 10px;">Work Order: 7200-05-2019 Printed by EBis 3 (datcomedia.com)</p>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p style="font-size: 2em; transform: rotate(-15deg); opacity: 0.5;">LOG CLOSED 1-1-2020</p>	

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	
	HOURS	10
19__		

ENGINE MODEL C-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
6183-08-2015



**Top Gun Aviation, Inc.**  
6100 S. Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 9/4/2015  
A/C TSN 4397 42  
ENG TT 1007 02  
TACH 4397 42

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

**Engine Entries**

(2) Compression check #1 72/80, #2 70/80, #3 68/80, #4 68/80, #5 68/80, #6 68/80.... (3) Changed oil and filter serviced with 11 quarts of 15w50. filter inspection ok.... (4) Cleaned, gapped, test fired and rotated spark plugs.... (16) Replaced oil filler tube base gasket.... (37) Completed 100hr/Annual inspection.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 9/4/2015

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 6183-08-2015

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ENGINE MODEL C-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
6531-09-2016



**Top Gun Aviation, Inc.**  
6100 S. Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 10/17/2016  
A/C TSN 4440 24  
ENG TT 1049 84  
TACH 4440 24

**Engine Entries**

(2) Compression check #1 68/80, #2 70/80, #3 60/80, #4 68/80, #5 68/80, #6 68/80... (3) Changed oil and filter. Serviced with 11 quarts of Aeroshell 15W50. Filter inspection OK.... (4) Cleaned, gapped, and rotated spark plugs.... (17) AD 16-16-12 ECI Class 71 or 76 Cylinder Assy N/A ECI Cylinders not installed... (28) Completed 100hr/Annual inspection.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 10/17/2016

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 6531-09-2016

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL C-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
6797-08-2017



**Top Gun Aviation, Inc.**  
6100 S. Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 8/25/2017  
A/C TSN 4465 4  
ENG TT 1075  
TACH 4465 4

**Engine Entries**

(1) Replaced cyl #1 rocker cover gasket.... (2) Changed oil and filter. Serviced engine with 11 qts of Aeroshell 15W50. Inspected old filter, check ok.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 8/25/2017

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 6797-08-2017

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AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

ENGINE MODEL C-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
6855-11-2017



**Top Gun Aviation, Inc.**  
6100 S. Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 1/11/2018  
A/C TSN 4473 4  
ENG TT 1083  
TACH 4473 4

**Engine Entries**

(2) Compression check #1 66/80, #2 71/80, #3 56/80, #4 71/80, #5 60/80, #6 68/80.... (4) Cleaned, gapped and rotated spark plugs.... (18) Adjusted both magnetos to 20 deg. BTDC... (26) Completed 100hr/Annual inspection.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 1/11/2018

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 6855-11-2017

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# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	
	HOURS	10
19		

ENGINE MODEL J-470-R  
ENGINE S/N 822013-P  
REG NO 78720  
WORK ORDER  
5728-05-2014



**Top Gun Aviation, Inc.**  
6100 S Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 5/30/2014  
A/C TSN 191 22  
ENG TT 191 22  
TACH 4257 47

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

**Engine Entries**

(1) Completed 100 hr engine inspection... (2) Compression check #1 70/80, #2 74/80, #3 68/80, #4 70/80, #5 68/80, #6 66/80... (3) Changed oil and filter. Serviced engine with 11 quarts of Aeroshell 15w50. Filter inspection OK... (4) Cleaned, gapped and rotated spark plugs.... (7) Installed chafe pad on induction crossover tube.... (8) Adjusted timing on both magnetos to 22 deg. BTC.

I certify that this PROPELLER is airworthy with respect to the work performed

DATE: 5/30/2014

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 5728-05-2014

Printed by EBis 3 (datcomedia.com)

DATE	TOTAL TIME IN SERVICE	
	HOURS	10

ENGINE MODEL O-470-R  
ENGINE S/N 822013-P  
REG NO 78720  
WORK ORDER  
5773-07-2014



**Top Gun Aviation, Inc.**  
6100 S Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 7/22/2014  
A/C TSN 4281 97  
ENG TT 891 57  
TACH 4281 97

**Engine Entries**

(15) Compression check #1 71/80 #2 72/80 #3 69/80 #4 70/80 #5 68/80 #6 67/80 No Engine maintenance required 100 hr insp was completed 23 hours ago... (16) Completed 100hr/Annual inspection.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 7/22/2014

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 5773-07-2014

Printed by EBis 3 (datcomedia.com)

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	
	HOURS	10
19		

ENGINE MODEL O-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
5951-01-2015



**Top Gun Aviation, Inc.**  
6100 S Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 1/23/2015  
A/C TSN 4313 4  
ENG TT 923  
TACH 4313 4

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

**Engine Entries**

(1) Changed oil and filter. CW AD96-12-22 oil filter adapter, by inspection. Split the old oil filter and found to be clean, serviced with 10 quarts of Aeroshell 15W50.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 1/23/2015

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 5951-01-2015

Printed by EBis 3 (datcomedia.com)

DATE	TOTAL TIME IN SERVICE	
	HOURS	10

ENGINE MODEL O-470-R  
ENGINE S/N 822013-R  
REG NO 78720  
WORK ORDER  
6019-03-2015



**Top Gun Aviation, Inc.**  
6100 S Lindbergh St  
Stockton, CA 95206 USA  
Phone 209-983-8082

DATE 3/18/2015  
A/C TSN 4340 32  
ENG TT 949 92  
TACH 4340 32

**Engine Entries**

(4) Replaced oil cooler and adaptor gaskets. Leak check OK.

I certify that this ENGINE is airworthy with respect to the work performed

DATE: 3/18/2015

SIGNED:

Mark T. Rouch, License 566531421 IA

Work Order: 6019-03-2015

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## MAINTENANCE RECORD

DATE 2001 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
4/25			c/w Annual INSPECTION in/wh FAR-43 & AD Repaired Eng. Bassles, Replaced Buffet Seals Painted Replaced Seal's in Nose Ledge Strutt Installed	
			Engine SN 822013-R Rebuilt By Continental to OTime 7-23-00 Engine Model NO 0470-R25 Installed Eng. with New J-6545-1 Load Mounts cleaned & Painted Eng. Mount. Exhaust Requiral By Kinsey Prop Old Governor OH By United Propeller Technologies WO# P615 c/w AD 76-07-12 Ops Ch MAG SW	
			c/w AD 83-13-01 Insp Fuel Caps c/w AD 78-20-03 Insp Seat Tracks & Rollers	
			Aircraft... Annual... 4/25/01      3390.4      J. J. [Signature]	AW/63974210

## MAINTENANCE RECORD

DATE 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL ENGINE S/N REG. NO. 7872U WORK ORDER 5038-02-2012</p> </div> <div style="width: 30%; text-align: center;">   <b>Top Gun Aviation, Inc.</b>                      6100 Lindbergh St                      Stockton, CA 95206 USA                      Phone: 209-983-8082                 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 2/1/2012 AV TSN ENG TT TACH 4068.25</p> </div> </div> <p><b>Engine Entries</b></p> <p>(1) 500 Hr Insp completed on both magnetos, sn G010007FR &amp; sn 240004FR</p> <p>I certify that this ENGINE is airworthy with respect to the work performed</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <p>DATE: 2/1/2012</p> </div> <div style="width: 30%; text-align: center;"> <p>SIGNED: [Signature]</p> <p>Mark Rouch License: 566531421 IA</p> </div> <div style="width: 30%; text-align: right;"> <p>Work Order 5038-02-2012 Printed by EBIS 3 (datcomedia.com)</p> </div> </div>	
			<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL ENGINE S/N REG. NO. 7872U WORK ORDER 5550-10-2013</p> </div> <div style="width: 30%; text-align: center;">   <b>Top Gun Aviation, Inc.</b>                      6100 Lindbergh St                      Stockton, CA 95206 USA                      Phone: 209-983-8082                 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 11/22/2013 AV TSN 162.55 ENG TT 162.55 TACH 4328.8</p> </div> </div> <p><b>Engine Entries</b></p> <p>(4) Changed the oil and filter. split old filter and found minor amounts of carbon. Serviced with Aeroshell 15W50. CW AD 96-12-22 oil filter adapter by inspection OK</p> <p>I certify that this ENGINE is airworthy with respect to the work performed</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <p>DATE: 11/22/2013</p> </div> <div style="width: 30%; text-align: center;"> <p>SIGNED: [Signature]</p> <p>Mark Rouch License: 566531421 IA</p> </div> <div style="width: 30%; text-align: right;"> <p>Work Order 5550-10-2013 Printed by EBIS 3 (datcomedia.com)</p> </div> </div>	