



Williams International

# SERVICE RECORD

ENGINE MODEL NUMBER: FJ33-5A

ENGINE SERIAL NUMBER: 233661

A/C SERIAL NUMBER	A/C UNIT NUMBER	A/C REGISTRATION NUMBER	DATE	CITY IDENTIFIER	TOTAL A/C HOURS	TOTAL A/C CYCLES	TOTAL A/C LANDINGS	TOTAL ENGINE HOURS	TOTAL ENGINE CYCLES

ITEM NUMBER	ITEM NAME / MAINTENANCE ACTION	INSTALLED P/N	INSTALLED SN	HOURS SINCE NEW	CYCLES SINCE NEW	HOURS SINCE OVERHAUL	CYCLES SINCE OVERHAUL
1							
2							
3							
4							
5							
6							
7							

MAKE: Cirrus  
MODEL: SF50  
S/N: 0057  
REG. NO: N603AP  
ENGINE MODEL: FJ33-5A



**Cirrus Design Factory Service Center**  
Repair Station No. YD5R855Y  
4961 Airport Road  
Duluth, MN 55811

W/O #: DLH23151-08-2024  
DATE: 09-12-2024  
Engine Flight Time: 791.2  
Cycles:

## Engine Entries

- 5 Completed an AD/SB compliance record that will be included with the logbooks.
- 11 Checked FADEC system for any outstanding faults or exceedances and downloaded FADEC data via EMT software IAW Williams International LMM 73-26-01. Data has been sent to FADEC@williams-int.com.
- 13 Performed Williams-INT Check A Inspection IAW Williams-INT LMM 5-20 checklist.
- 18 Verified all circuit breakers are reset on FWD Breaker panel IAW SF AMM 24-50
- 23 Lubricated all items listed on the lubrication schedule IAW SF50 AMM 12-20
- 91 Serviced oil and installed cap. IAW SF50 AMM 12-10
- 94 I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 09-12-2024

SIGNED

Daniel Hansen  
Repair Station No. YD5R855Y

WORK ORDER: DLH23151-08-2024

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0VAL)

REPAIR FACILITY \_\_\_\_\_  
WORK PERFORMED BY \_\_\_\_\_

CERTIFICATE NUMBER \_\_\_\_\_  
CERTIFICATE NUMBER \_\_\_\_\_

WORKORDER \_\_\_\_\_  
DATE \_\_\_\_\_

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the:

- ☐ FEDERAL AVIATION ADMINISTRATION  
☐ MINISTRY OF TRANSPORT  
☐ OTHER (SPECIFY) \_\_\_\_\_

and the engine identified above is presently airworthy and approved for return to service.

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Williams International

# SERVICE RECORD

ENGINE MODEL NUMBER: FJ33-5A

ENGINE SERIAL NUMBER: 233661

A/C SERIAL NUMBER	A/C UNIT NUMBER

ENGINE MODEL (#1): FJ33-5A  
ENGINE S/N (#1): 233661  
REG. NO: N603AP  
WORK ORDER: VGT13086-03-2023



**Lone Mountain Aviation, Inc.**

Repair Station No. L9OR473Y  
2830 North Rancho Drive Ste A  
Las Vegas, NV 89130

DATE: 8/4/2023  
Airframe TT: 630.8  
ENG TT (#1): 630.8  
ENG TC (#1): 510.5  
FLIGHTTIME: 630.8

TAL LINE URS	TOTAL ENGINE CYCLES

ITEM NUMBER	ITEM NA
1	
2	
3	
4	

## Engine #1 Entries

Complied with Williams Engine Check II IAW Williams FJ33-5A MM.  
Complied with Flight Profile Monitoring Per FJ33-5A. No issues found.  
Complied with oil filter change IAW Williams LMM section 72-00-05 leak check good.  
Complied with engine fuel filter change IAW Williams LMM section 73-14-01 leak check good.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 8/4/2023

SIGNED: 

Travis L. Anderson  
Certified Repair Station No. L9OR473Y

Work Order: VGT13086-03-2023

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SINCE HAUL	CYCLES SINCE OVERHAUL

5
6
7

MAKE: Cirrus Design Corp  
MODEL: SF50  
S/N: 0057  
REG. NO.: N603AP  
ENGINE MODEL - #1: FJ33-5A  
ENGINE SN - #1: 233661



**Lone Mountain Aviation, Inc.**

FAA Cert: L9OR473Y  
2830 North Rancho Drive Ste A  
Las Vegas, NV 89130

W/O #: VGT13472-01-2024  
DATE: 01-26-2024  
ENG TT - #1: 683.2  
Flight: 683.2

ITEM NUMBER

## Engine - #1 Entries

Removed bleed air pressure regulating valve P/N: 5918-00-6 S/N: 0516 installed repaired bleed air pressure regulating valve P/N: 5918-00-6 S/N: 0864 by AeroControlex Group, Inc. under WO# 1120914/MR61200 dated 15 DEC 2023 see 8130, signed under certificate #A34R423J installed new seals and torqued to specs, IAW Cirrus SF50 AMM section 36-10 performed operational and leak check good.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above WO number.

DATE: 01-26-2024

SIGNED: 

Travis Anderson  
FAA Cert: L9OR473Y

WORK ORDER: VGT13472-01-2024

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REPAIR FACILITY \_\_\_\_\_  
WORK PERFORMED BY \_\_\_\_\_

CERTIFICATE NUMBER \_\_\_\_\_  
CERTIFICATE NUMBER \_\_\_\_\_

WORKORDER \_\_\_\_\_  
DATE \_\_\_\_\_

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the:

- ☐ FEDERAL AVIATION ADMINISTRATION  
☐ MINISTRY OF TRANSPORT  
☐ OTHER (SPECIFY) \_\_\_\_\_

and the engine identified above is presently airworthy and approved for return to service.

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Williams International


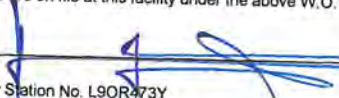
# SERVICE RECORD

ENGINE MODEL NUMBER: FJ33-5A

ENGINE SERIAL NUMBER: 233661

A/C SERIAL NUMBER	A/C UNIT NUMBER	A/C REGISTRATION NUMBER	DATE	CITY IDENTIFIER	TOTAL A/C HOURS	TOTAL A/C CYCLES	TOTAL A/C LANDINGS	TOTAL ENGINE HOURS	TOTAL ENGINE CYCLES

ITEM NUMBER	ITEM NAME / MAINTENANCE ACTION	INSTALLED P/N	INSTALLED SN	HOURS SINCE NEW	CYCLES SINCE NEW	HOURS SINCE OVERHAUL	CYCLES SINCE OVERHAUL
1							
2							
3							
4							
5							
6							
7							

ITEM NUMBER	ENGINE MODEL (#1): FJ33-5A ENGINE S/N (#1): 233661 REG. NO: N603AP WORK ORDER: VGT13088-03-2023	 <b>Lone Mountain Aviation, Inc.</b> Repair Station No. L9OR473Y 2830 North Rancho Drive Ste A Las Vegas, NV 89130	DATE: 4/6/2023 Airframe TT: 615.2 ENG TT (#1): 615.2 ENG TC (#1): 510.5 FLIGHTTIME: 615.2	AL)
<b>Engine #1 Entries</b> Complied with Williams International Service Bulletin WISB-72-1026, Engine Balance Piston - Replace. Work performed by Williams International under their WO # 1224230, dated 24/MAR/2023 under certificate no. W15R335J. Complied with the following test procedures IAW Williams LMM: Updated Trim Values, Idle Speed and Leak Check Run, Stability/Acceleration Check, Performance/High Power Check, Vibration Survey HP vibration level recorded: 0.5 IPS; LP vibration level recorded: 0.2 IPS. Survey completed using Dyna Vibe, S/N: D18010201GX3 with a calibration due date of 8/30/2023.				
The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.				
DATE: 4/6/2023	SIGNED:  Jamila Aarab Certified Repair Station No. L9OR473Y	Work Order: VGT13088-03-2023 Printed by EBis 3 (datcomedia.com)		

REPAIR FACILITY \_\_\_\_\_  
WORK PERFORMED BY \_\_\_\_\_

CERTIFICATE NUMBER \_\_\_\_\_  
CERTIFICATE NUMBER \_\_\_\_\_

WORKORDER \_\_\_\_\_  
DATE \_\_\_\_\_

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the:

- ☐ FEDERAL AVIATION ADMINISTRATION  
☐ MINISTRY OF TRANSPORT  
☐ OTHER (SPECIFY) \_\_\_\_\_

and the engine identified above is presently airworthy and approved for return to service.

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Williams International

# SERVICE RECORD

ENGINE MODEL NUMBER: FJ33-5A

ENGINE SERIAL NUMBER: 233661

A/C SERIAL NUMBER	A/C UNIT NUMBER	A/C REGISTRATION NUMBER	DATE	CITY IDENTIFIER	TOTAL A/C HOURS	TOTAL A/C CYCLES	TOTAL A/C LANDINGS	TOTAL ENGINE HOURS	TOTAL ENGINE CYCLES

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1							
2							
3							
4							
5							
6							
7							

ITEM NUMBER	GENERAL (I.E. REMOVAL)

**ARAPAHOE AERO**  
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N603AP Williams FJ33-5A S/N: 233661 Total Engine Time: 0520.2  
08 August 2022 Flight Hobbs: 0520.2 Hobbs: 0647.6 Cycles: 430.0  
100 Hour Inspection for Annual completed this date using the Cirrus SF50 AMM and Williams International MM as a guide. Completed JetStream 500 Hour Service of engine completed this date using the Cirrus Vision Check IV Form as a guide. Installed new firesleeve in place of fiberfrax on duct heat bleed air tube. Completed Check A of engine. Drained oil and serviced with Mobil Jet 254. Next Check A due August 2024. Checked chip detectors, no debris found. Complied with Williams WISB-74-1006 (Exciter Bracket) by installation of new exciter mounting brackets and harness lead supports and brackets. Ground run up, leak check and operational check good. AD's checked through Bi-weekly 2022-16, no AD's currently apply. I CERTIFY THAT IS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  
L. John Wells A&P 3221132 w/o 43486

REPAIR FACILITY \_\_\_\_\_  
WORK PERFORMED BY \_\_\_\_\_

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the:

☐ FEDERAL AVIATION ADMINISTRATION  
☐ MINISTRY OF TRANSPORT  
☐ OTHER (SPECIFY) \_\_\_\_\_

CERTIFICATE NUMBER \_\_\_\_\_  
CERTIFICATE NUMBER \_\_\_\_\_  
DATE \_\_\_\_\_

WORK ORDER \_\_\_\_\_  
DATE \_\_\_\_\_

and the engine identified above is presently airworthy and approved for return to service.

July 24, 2019

N106LD

Williams International FJ33-5A, s/n: 233661  
w.o. 426640w

Hour Meter: 243.0 ACTT: 196.5 CSN: 127

This is a permanent part of the Engine Records. The following inspection, maintenance, repairs or replacements were accomplished using the Cirrus SF50 MM p/n: 31448-001 and Williams International FJ33-5A LMM chapter 05-20 unless otherwise stated

1. Completed Annual Inspection in accordance with Cirrus SF50, Inspection Package.
2. Performed 100 hour download of the FADEC system.

Technician(s): M. Rotar, K. Gibson, J. Condrey, J. Fry, R. Naquin.

I certify that this aircraft has been inspected in accordance with Cirrus SF50 Annual Inspection requirements, and was determined to be in airworthy condition. The aircraft and / or component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

Inspector:

B. McCarthy for CRS# PCPR439B

Mather Aviation LLC

Mather Field, CA

CRS# PCPR439B

Ph. 916.364.4711

### Corporate Air Center



15452 - Airport Drive  
Burlington, WA 98233  
Phone (360) 757-7757  
Fax (360) 757-1557

Airframe TT: 296.3  
Engine TSN: 296.3  
Engine Cycles: 239  
Hobbs: 367.0

N106LD SF-50 S/N: 50-0043 FLT: 296.3

FJ33-5A

S/N 233661

C/W a 100Hr/ANNUAL inspection per the SF-50 Aircraft maintenance manual chapter 5-20, FAR part 43 and part 91 and the Williams Int. FJ33-5A Line Maintenance Manual.

1. C/W Check II and Check A per the Williams Int. LMM chapter 5-20-00-210-816 and sub task 05-20-00-210-056 and using a FJ33-5A Check 2 Line Maintenance kit P/N 126280.
2. C/W 100 Hr. FADEC Data download using the EMT software per the Williams Int. Line Maintenance Manual chapter 73-26-01. Sent data to [FADEC@williams-int.com](mailto:FADEC@williams-int.com)
3. Checked the FADEC system for outstanding faults or exceedances.
4. Ran engine and performed operational and leak check.

I certify that this Engine has been inspected in accordance with a 100Hr/Annual inspection and has been determined to be in an airworthy condition.

7/27/2020

Daniel P Monahan  
AP32484081A

ENGINE MODEL # FJ33-5A  
ENGINE S/N # 233661  
RES NO N106LD  
WORK ORDER # 233943-12-2020

CIRRUS Cirrus Design Factory Service Center

Repair Station No. 1008855  
15014 1st Road  
Oulala WA 98644  
Phone 360-757-0040

DATE 7/27/20  
ENGINE 233661  
ENG TSN 296.3  
ENG CYC 239

### Engine #1 Entries

(12) Performed oil change with 2 Quarts of Mobile JET 2 IAW Williams FJ33-5A LMM task 72-00-03 P.B. 301

Have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Particular details of this work order are per file at this Certified Repair Station CRS# 1008855.

DATE: 7/5/2021

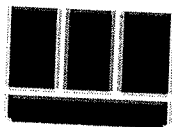
SIGNED:

Hayden Settle

Certified Repair Station No. 1008855

Work Order: TYS23943-12-2020

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# Williams International

## ENGINE SERIAL NUMBER RECORD

P/N: 79400-201

233661

Inspector:

*Telly Smith* 9785

Date:

4-21-18

<u>P/N</u>	<u>S/N</u>	<u>DESCRIPTION</u>
54831	MD-0191463	SENSOR,N2 DUAL MAGNETIC SPEED
57847	GE-6192	INDICATOR,FUEL FILTER,ELECT
61027	20136	COVER, OIL TANK
61250	SBC988B7	SEAL ASSY,RING SEAL
61250	SBC987B9	SEAL ASSY,RING SEAL
61359	MW0179	#4 BEARING INNER RACE
65310	TX22N36	SEAL ASSY RING SEAL
69733	YYV133	PICKUP ASSY MAGNETIC-SPEED LP
70292	BL-21209	EXCITER,IGNITION,SPARK GAP
71593	BG158	GEAR,BEVEL,DAMPED 1ST RDCND
77569	EMX000152	ITT PROBE,HARNESS ASSY
79368	JT-137248	BEARING, ASSY, ROLLER, OUTER GUIDED
79368	JT-137234	BEARING, ASSY, ROLLER, OUTER GUIDED
79369	JT-136265	BEARING, BALL, DEEP GROOVE
79370	JT-137655	BEARING, ROLLER, CYL - OD FLANGE
79387	MFI43674	HOUSING ASSY, #1 BEARING
79408	HW47787	ROTOR,FAN,16 BLADE,SWEPT BACK
79538	HW47539	1ST LPT DISC
79582	AU20018	HOUSING, CARBON RING SEAL & BRG RET
79857	SBC-066F6	RUNNER, SEAL, LP SHAFT, FRONT
110930	BCC-AAD35256	NOZZLE ASSY, FUEL, FJ33
111127	HW48344	HP TURBINE DISC
113073	AU20081	IP STATOR, STAGE III
113472	JT-119433	BEARING, BALL SPLIT INNER RING



# Williams International

ENGINE SERIAL NUMBER RECORD  
P/N: 79400-201

233661

Inspector:

*[Signature]*  
9785

Date:

4-21-18

<u>P/N</u>	<u>S/N</u>	<u>DESCRIPTION</u>
113653	SBC612B1	SEAL ASSY, FACE, CARBON
113762	AXT0101884	PT2 PRESSURE SENSOR DUAL
114914	AU20102	SEAL ASSY, REAR, FUEL SLINGER
114944	AXT0202351	TT2 DUAL TEMP SENSOR W/ PRESS PORT
114944	AXT0202342	TT2 DUAL TEMP SENSOR W/ PRESS PORT
114947	20065	COVER ASSY, HP COMPRESSOR
115015	KM-0878	INDICATOR,LATCHING,DEL P,OIL FILTER
115470	AU20092	SEAL & FUEL SLINGER ASSY
118925	RX17RY0149	SHAFT, HIGH PRESSURE
119349	AU20081	VANE ASSY, IPC STATOR STG 1&2
121281	RX17TX0072	SHAFT ASSY, COMPLETE, L.P.
121305	HW48325	ROTOR ASSY, IP CPRSR BALANCED
121373	AU20070	FUEL MANIFOLD ASSEMBLY
121535	PP2557	COOLER, LUBE OIL
122721	HW47806	ROTOR, HP COMPRESSOR
123323	JT-138298	BEARING, ROLLER, INNER GUIDED
123442	AU20164	SUPPORT,BRG,1ST RDCN BVL GEAR
123443	SBC571B2	RUNNER, HP SHAFT SEAL, FRONT
123459	AU20113	HSG ASSY, NOZZLE/HEATSHIELD, 1ST LP
123492	ABK066	TOWERSHAFT, ACCESORY DRIVE
123899	50004	CASE ASSEMBLY, DIFFUSER
124397	MFI41766	CASE AND INSERT ASSEMBLY
124611	WL20094	BEARING AND PINION ASSEMBLY
125558	HW47977	2ND LPT DISC





# Williams International

## ENGINE SERIAL NUMBER RECORD

P/N: 79400-201

233661

Inspector:

Telly Smith  9786

Date:

4-21-18

<u>P/N</u>	<u>S/N</u>	<u>DESCRIPTION</u>
125572	HW48344	ROTOR ASSY, HP TURBINE
125575	AU30051	HOUSING ASSY, INTERSTAGE
126038	ABK084	NUT,RETAINER,AXIAL CPRSR
126081	CL8ATW1400	FUEL CONTROL UNIT
126113	AU20149	COMBUSTOR ASSEMBLY
126140	20074	KIT-LPT MOD ASSY
206908	CK-1800074	PLUG, IGNITER (IGNITOR)
206908	CK-1701191	PLUG, IGNITER (IGNITOR)
206974	BW0029	HARNESS ASSEMBLY, ENGINE, DUAL CHA
208202	MX20053	GEARBOX ASSY, ACCESSORY DRIVE
210458	50013	PUMP ASSY, LUBE AND SCAVENGE