

N 81306



*The Standard*

**ENGINE LOG**

ASA-SE-1


The subject aircraft was involved in an incident / accident on **9/9/2025** rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: **9153166368US**.

Signed: ***Underwriters Salvage Company***

Date: **9/26/2025**

ALG Aerospace Adjustment Services Inc  
3500 Lenox Road, Suite 1100  
Atlanta, GA 30326

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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August 22, 2025	TACH: 1553.65			
N81306 Hartzell HC-12X20-8C/8428 S/N: 6931N				
PROP				
Replaced diaphragm with new P/N B-119-2 IAW Hartzell Propeller owners manual 140 R3. Ground run for ops and leak check good. This prop is approved for return to service with respect to the above work performed.				
Maria Vianco A&P/IA# 4522241				W.O. 528257



9/7	1568.19	.33	TEST FLT
9/9	1570.52	2.52	KTRG TO ESS2
"	1571.02	.50	ESS2 TO KTCC
"			KTCC TO KTRG

YEAR: 2025	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
3/26	—	—	—	ALL SPARK PLUGS REMOVED. CLEANED, PRESSURE TESTED, RE-INSTALLED. ENGINE RUNS WELL. 20250326 Wagon
4/8	1525.44	C.C.	2.39	KBRG TO 4V1
"	1527.29	C.C.	1.85	4V2 TO KFMM
"	1529.85	C.C.	2.56	KFMM TO KECS
4/9	1530.64	C.C.	.79	KECS TO 49B
4/10	1533.08	C.C.	2.44	49B TO KFMM
"	1534.88	C.C.	1.8	KFMM TO 4V2
"	1537.18		2.3	4V2 TO KBRG
5/10	1538.13		.95	KBRG TO KAEG
"	1539.18		1.05	KAEG TO KBRG

YEAR: 2025	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
5/14	1541.43		2.25	KBRG TO KSOW
"	1542.74		1.31	KSOW TO KIWA

June 12, 2025 TACH: 1542.74 ETSMOH: 216.84  
N81306 Ranger 6-440-C5 S/N: R014807  
ENGINE



Performed an annual inspection IAW the Fairchild maintenance manual and 14CFR43 appendix D checklist. Compressions as follows: 1:79/80, 2:74/80, 3:7/80, 4:60/80, 5: 60/80, 6:72/80. Checked magneto to engine timing. Cleaned and inspected spark plugs. Cleaned Airwolf Air Oil separator. Next cleaning due at annual. Ground run for ops and leak check good. This engine was inspected IAW an annual inspection, was found to be in airworthy condition, and is approved for return to service with respect to the above work performed.

Maria Vianco A&P/IA# 4522241

*Maria Vianco*

W.O. 528235

YEAR: 2025	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
1/28	1497.07	.28		
2/1	1497.75	.68		
2/13	1498.26	.51		
2/13	1499.14	.33		
2/17	1499.75	.61		TEST AFTER PROP REBUILD AND REGULATOR CLEAN
2/21	1500.65	.78		
2/22	1502.52	1.87		C.C. KBRG TO KSOW
2/22	1503.73	1.21		C.P. KSOW TO KSAL
2/22	1505.15	1.42		C.C. KSAL TO KSOW
2/22	1506.93	1.78		C.C. KSOW TO KBRG
2/25	1507.68	.75		C.C. KBRG TO KNOM

YEAR: 2025	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
2/25	1507.68	1.12		KNOM TO KLRU
2/25	1510.02	1.22		KLRU TO KNOM
2/25	1510.77	.75		KNOM TO KBRG
3/8	1512.74	1.97		KBRG TO KSVC
"	1515.13	2.39		KSVC TO KCFE
3/9	1517.45	2.32		KSVC TO KSTN
"	1518.91	1.46		KSTN TO KBRG
3/20	1519.10	.19		ENGINE TEST
3/24	1520.83	1.73		KBRG TO KSKX
"	1522.15	1.32		KSKX TO KBRG
3/26	—	—	—	Complete oil FLUSH. All screens cleaned.
				ALL GASKETS REPLACED. Ran engine/NO Leaks.
				100% 20W50 OIL

YEAR: 2024	RECORDING TACH TIME 1485.75	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

Ranger                      6-440C-2                      S/N R00377 4.5  
  
04/28/2024      Tach time: 1482.30      TTSMOH: 156.4

Performed an annual inspection in accordance with the 14 CFR 43 Appendix D and a checklist.  
Performed a compression check results as follows: 1. 79/80 2. 65/80 3. 45/80 4. 75/80 5. 75/80 6. 78/80.  
Inspected exhaust system, induction system, and cooling system. Cleaned and gapped plugs. Inspected ignition system. All ADs were researched, and all applicable ADs have been complied with. Ran engine for a leak check and proper operations; ops check good. I certify this engine was inspected IAW an annual inspection and was found to be in airworthy condition.

Jason J. Manzanares A&P/IA 2852248

- September 5, 2024      TACH: 1486.17  
N81306 Ranger 6-440-C5 S/N: R014807  
ENGINE

Inspected new old stock Bendix Scintilla SB6RN-8 and SB6RN-10 magnetos. Cleaned and regreased all bearings, inspected coils, and cleaned as necessary. Inspected points and cam and internally timed magnetos IAW the Bendix-Scintilla aircraft magneto service instructions. Installed magnetos and timed magnetos to engine using the Ranger 6-440-C instruction book. Ops check good at this time. This engine is approved for return to service with respect to the above work performed.

- Maria Vianco A&P# 4522241      Maria Vianco

10/6	1487.29	1.84	KBRG TO KPMN
10/6	1490.83	1.70	KPMN TO KBRG
11/5	1491.21	.28	KBRG TO KBRG
11/10	1493.40	2.19	KBRG TO KBRG
12/6	1494.71	1.31	KBRG TO KBRG
12/17	1496.27	1.56	KBRG TO KBRG
12/30	1496.60	+32	KBRG - KBRG



YEAR: 2024	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 1/18	1478.11		1.35	KSKX → KBRG

Fairchild Model 24R-46 Serial No. R46206 N81306

01/20/2024

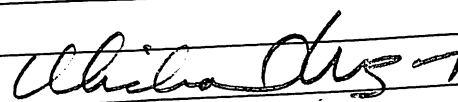
Installed Airwolf oil separator. Removed existing oil separator. Installed Airwolf oil separator IAW with the STC SA02268CH and the supplied instructions. Mounted separator on the left side of the engine mount. I Ran the engine and checked for leaks. None were found. W&B change negotiable.



Jason J. Manzanares

A&P 2852245

1/28	1478.75		1.64	KBRG → KAEG
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YEAR: 2024	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 1/28	1479.51		.76	KAEG → KGNT
1/28	1480.62		1.11	KGNT → KBRG
5/5	1483.80		3.18	KBRG → KBRG
5/12	1485.15		1.35	KBRG → LOCAL → KAEG
"	1485.65		.50	KAEG → KBRG
				5/17 HOBBS: 1485.75 - DRAINED OIL, CLEANED ALL OIL FILTER SCREENS. (upper & lower) Replaced ALL CRUSH GASKETS. REFILLED OIL WITH PHILLIPS XC20W50.
				 20240517

YEAR: 2023	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
10/13	1433.07		2.14	C.C. - KPRZ TO KBRG
10/15	1435.21		.75	C.C. KBRG TO KAFG
"	1435.96		.82	" KAFG TO KBRG
10/25	1438.76		2.8	KBRG TO KBRG
10/25	—	—	—	DRAINED OIL COMPLETELY FROM BOTH ENGINE AND OIL TANK. REPLACED CRUSH GASKETS ON OIL FINGER SCREENS OIL TANK DRAIN TUBE. REPLACED OIL WITH 20W50 - 5 GALLONS. RAN ENGINE AND FOUND NO LEAKS.
				20231025 MICHAEL LUZAR (owner)
				Wendy W37



YEAR:

RECORDING  
TACH  
TIMETODAY'S  
FLIGHTTOTAL  
TIME IN  
SERVICE**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE

**Shiloh Maintenance Center, Inc.**

Phone 505-861-1326

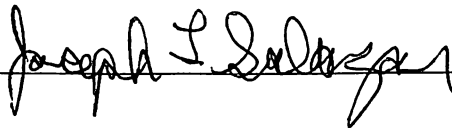
PO Box 519

Los Lunas, NM 87031

September 22, 2023 Tach: 1406.94. Installed two, customer supplied, SF6LN Magnetos and time them to the engine in accordance with Fairchild's Service, Manual.

This engine is approved to return to service, in accordance to the work performed.

Joseph L. Salazar



A&amp;P3497829

Disassembled **LEFT** Magneto (Model SB6RN-10 S/N 120590) for inspection, cleaning, lubrication, and parts replacement. Cleaned and inspected mag parts. Installed the following NOS parts:

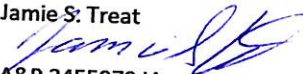
- Condenser P/N 10-17892
- Front and Rear Magnet Rotor bearings and external Races P/N 10-3057 (Revised P/N 10-81806)
- Coil P/N 10-15829V
- Cylinder, Distributor P/N 10-9978
- Top Cover gasket P/N 10-8665
- Breaker Cover gasket P/N 10-8664

Disassembled **RIGHT** Magneto (Model SB6RN-8 S/N 121216) for inspection, cleaning, lubrication, and parts replacement. Cleaned and inspected mag parts. Installed the following NOS parts:

- Condenser P/N 10-17892
- Front and Rear Magnet Rotor bearings and external Races P/N 10-3057 (Revised P/N 10-81806)
- Coil P/N 10-15829V
- Felt washer P/N 10-3450
- Cylinder, Distributor P/N 10-9978
- Top Cover gasket P/N 10-8665
- Breaker Cover gasket P/N 10-8664

Lubed all bearings with Bendix mag grease P/N 10-27165. Set internal timing to Rt Rotation. Cleaned points. Set Breaker point gap to .015. Lubed felts with 60wt engine oil. Utilized Bendix - Scintilla Service Instructions 3F-365 Dtd Oct 1943 and Bendix - Scintilla Parts List 3F-479 Dtd Dec 1946 for guidance.

Jamie S. Treat

  
A&P 3455979 IA

YEAR:	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations		
	Registration	Work Order	Date	TACH	AFTT	HOBBS
	N81306	9487	06/13/23	1390.1	UNK	--
<p>Performed an Annual Inspection in accordance with FAR 43 Appendix D. Airframe serviced as necessary. Airworthiness Directives checked to 2023-12, complete list provided with records.</p> <p><u>47-50-09 Landing Gear Fittings</u>: Previously complied with, next due 1449.2 tach.</p> <p><u>65-21-04 R1 Propeller Bearing</u>: Previously complied with, next due 1440.7 tach.</p> <p>Air Maze style air filter cleaned and serviced. Engine oil recently changed by owner and not due at this time. Spark plugs and harness replaced with new assemblies from Fresno Airparts, owner installed. Installation inspected, plug wires installed in correct firing order.</p> <p>Rudder cables excessively loose. Removed rear seat cushions, removed items from baggage area, then moved baggage sling out of the way. Removed rudder cable turnbuckle safety wire and adjusted left and right side cables equally to desired tension. Assembled airplane.</p> <p>Operational check, post Annual run-up good.</p> <p>I certify that this airplane has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition at time of inspection.</p>						
Elizabethtown Flying Service Addington Field Elizabethtown Regional Airport				John D. Ellis A&P 3073898 IA		

*Placed in wrong log*

*in error*

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations		
	Registration	Work Order	Date	TACH	ETT	SMOH
	N81306	9487	06/13/23	1390.1	64.2	--
<p>Performed an Annual Inspection in accordance with FAR 43 Appendix D. Engine serviced as necessary. Airworthiness Directives checked to 2023-12, complete list provided with records.</p> <p>Air Maze style air filter cleaned and serviced. Engine oil recently changed by owner and not due at this time. Spark plugs and harness replaced with new assemblies from Fresno Airparts, owner installed. Installation inspected, plug wires installed in correct firing order.</p> <p>Operational check, post Annual run-up good.</p> <p>Compression: #1 72 #2 70 #3 76 #4 78 #5 70 #6 74</p> <p>I certify that this engine has been inspected in accordance with an Annual / 100 Hour Inspection and was found to be in an airworthy condition at time of inspection.</p>						
Elizabethtown Flying Service Addington Field Elizabethtown Regional Airport				John D. Ellis A&P 3073898 IA		





SUNSHINE AIRCRAFT REPAIR, INC  
10460 52nd STREET  
KENOSHA, WI 531244

N#: N81306 Make: FAIRCHILD 24R-46 S/N: R46206  
Date: 06-23-2022 TR: 1352.73

\*\*\*ENGINE LOG BOOK ENTRY\*\*\*

CYLINDER COMPRESSION CHECK: #1-79/80, #2-70/80, #3-68/80, #4-79/80, #5-79/80, #6-79/80. PERFORMED CYLINDER BORE SCOPE INSPECTION. NO ISSUES NOTED. CLEANED, GAPPED AND REINSTALLED SPARK PLUGS. RAN ENGINE AND CHECKED FOR LEAKS AND OPERATION....END....

HOWARD W. SIEDLECKI  
AP 2111293 IA

ns, Tests, Repairs and Alterations

Name, Rating and Certificate Number of Technician or Repairer specific entries.)

YEAR: 2022	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
6/8	1.4	KVDF	1.4	
7/5	1.4	KVDF	1.4	
7/26	4.5	KVDF	4.5	
10/28	5.5	KVDF	5.5	KVDF-KCGC-KCTY-KGGC-KCUW-KSPG → KXOF
10/29	6370.7 CC		2.53	KVDF — KAYS
10/29	1373.33 CC		2.24	KAYS — KLZU
11/3	1374.57 CC		1.24	KLZU — KSRB
11/3	1374.77 CC		.20	KSRB — KCSV
11/3	1376.97 CC		2.20	KCSV — KEKX
11/23	1384.3	LOCAL	1.0	KEKX — KSBRY — KEKX
1/16	1385.7	LOCAL	1.4	KEKX — PATTERN — M20 — KEKX
3/9	1386.7	LOCAL	1.0	KEKX — KEKX; PATTERN

# Engine Record General Information

Manufacturer

RANGER

Model

6-440-C2

200HP

Serial

R014807

Type Certificate

This engine is currently installed in aircraft

N81306

INST 9/14/1991 TR 1285

(2 TIME ENGINE)

Minimum Octane Fuel

Oil Grade: Summer

Winter

Magneto Time

Point Setting

Firing Order

Spark Plug Gap

Manufacturer recommended overhaul at

hours