Engine Record General Information

Manufacturer Helmholdt, Andrew **Model** Corvair

Serial AH569 **Type Certificate** None

This engine is currently installed in aircraft: Martin Richard B

Minimum Octane Fuel 100 LL **Oil Grade:** Summer Rotella T 15-40 weight+ **Winter**

Magneto Time N/A **Point Setting** N/A **Firing Order** 1-4-5-2-3-6

Spark Plug Gap .035 with Denzo Iridium IWF20

Manufacturer's Recommended Overhaul at 1500 **hours**

YEAR 20 20 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.)
5/5	344	—		AEROVEE ENGINE SERIAL # 133 RENOVED
				01/13/ ~~2019~~ 2019.
				AIRCRAFT RE-ENGINED WITH
				CORVAIR SERIAL # AH569.
				ENGINE IS 100 HP ENGINE BUILD
				LOG UNDER SEPERATE COVER.
				PROPELLER SENSENICH # AG2491
				54 X 54. STATIC RPM 3050,
				MIXTURE SET 50-75 RPM RISE. WIDE
				CUTOFF. CARB HEAT 150 RPM ~~LOSS~~ SET AT
				ACTUACTATED. ENGINE RUN PER MOP MANUAL
				FOR 2 MINUTS AT 2710 RPM OIL CHT'S EGT'S ALL NORMAL

YEAR 20 20 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.)
5/5				Date: 5/5/2020 Current Mileage: 344 hr Next Change Mileage: 372

K&N
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AIRCRAFT IDENTIFICATION:

TYPE / SN. SONEX 0569

N, NUMBER 569SX

A/F TOTAL TIME ___344_____

OWNER ANDREW W HELMHOLDT

ENGINE MODEL / SN. Corvair AH569

ENGINE TOTAL TIME _____0:0___

PROPELLER MODEL / SN. SENSENICH AG2494

PROPELLER TOTAL TIME _____0:0_____

Changed oil & Filter (K&N 1008) (Shell Rotella T 15W-40 Weight) 4-Quarts Minimum, 5-Quarts Maximum

Ground run, checked for leaks. Static run 3050 rpm Ign. check 75 rpm drop Engine run for 2 minutes at 2710 rpm static

Engine LOG ENTRY:

I CERTIFY THAT THIS **CORVAIR** ENGINE INSTALLED ON N569SX HAS BEEN INSPECTED IN ACCORDANCE WITH AN CONDITIONAL INSPECTION AND WAS DETERMINED TO BE IN ANAIRWORTHY CONDITION AS OF THIS DATE

SIGNED: [redacted]

Inspection completed this month, 05 day, 4 year, 2020 by, ____Richard B. Martin_____
Print name

Signed: [redacted] Repairmen Certificate # [redacted]

YEAR 20 20 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.)
5-5	345.0	1 hr oil Δ		Changed Oil & Filter (K&W) 1008. Shell Rotella 15W-40W, 4 quarts min-, 5 quarts max
				Ground Run, Checked for leaks, Static rpm
				3050 rpm. Ign check 75 rpm drop. Engine
				run for 2 min at 3050 rpm. + 1 bottle 200A.
			FAA	PP [redacted] 5/5/2020
5-19-	350.0	6 hr oil Δ		Changed Oil & Filter (K&W) 1008. Shell
				Rotella 15W-40W, 4 quarts max, 5 quarts min.
				+ 1 bottle 2PPP additive. Ground run, checked
				for Leaks. Ign drop 75, 2000 rpm
				CH drop 150.
			FAA	PP [redacted] 5/19/2020

YEAR 20 20 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.)
8-31	362.5			Change oil & Filter (K&N 1008), Shell Rotella
		18.5	6+ oil Δ	15W-40-W, 4.25 qts + 1/2 Bottle ZDDP Additive.
				Ground run, check for leaks - none found.
				Run at 2000 rpm. 75 in-lbs, 150 LH mags
				* Check points corrosion
			FAP	PP [redacted] [redacted] 8/31/2020



YEAR 20 21 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.)
6/11				

AIRCRAFT IDENTIFICATION:

TYPE / SN. SONEX 0569

N. NUMBER 569SX

A/F TOTAL TIME 373.2

OWNER ANDREW W HELMHOLDT

ENGINE MODEL / SN. Corvair AH569

ENGINE TOTAL TIME _ 29:5

PROPELLER MODEL / SN. SENSENICH AG2494

PROPELLER TOTAL TIME _ 29:5

Changed oil & Filter (K&N 1008) (Shell Rotella T 15W-40 Weight) 4-Quarts Minimum, 5-Quarts Maximum

Ground run, checked for leaks. Static run 3080 rpm Ign. check 20 rpm drop Engine run for 2 minutes at 2730 rpm static

Engine LOG ENTRY:

I CERTIFY THAT THIS **CORVAIR** ENGINE INSTALLED ON N569SX HAS BEEN INSPECTED IN ACCORDANCE WITH AN CONDITIONAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE

SIGNED: [redacted]

Inspection completed this month, 6 day, 11 year, 2021 by, Richard B. Martin

Print name

Signed: [redacted] Repairmen Certificate # [redacted]

YEAR 2021 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.)
4/11				REPLACED AIRCRAFT BATTERY
				INSTALLED ODYSSEY PC-680

YEAR 2022 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.)
8-14-2022				

AIRCRAFT IDENTIFICATION:

TYPE / SN. SONEX 0569

N, NUMBER 569SX

A/F TOTAL TIME 391.1

OWNER ANDREW W HELMHOLDT

ENGINE MODEL / SN. Corvair AH569

ENGINE TOTAL TIME 47.5

PROPELLER MODEL / SN. SENSENICH AG2494

PROPELLER TOTAL TIME 47.5

Changed oil & Filter (K&N 1008) (Shell Rotella T 15W-40 Weight) 4-Quarts Minimum, 5-Quarts Maximum

Ground run, checked for leaks. Static run2960 rpm Ign. check 20 rpm drop Engine run for 2 minutes at 2710 rpm static.

Timing checked per MOP Manual, found to be with in limits.

Engine LOG ENTRY:

I CERTIFY THAT THIS **CORVAIR** ENGINE INSTALLED ON N569SX HAS BEEN INSPECTED IN ACCORDANCE WITH AN CONDITIONAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE

SIGNED: [redacted]

Inspection completed this month, 8 day, 14 year, 2022 by, Richard B. Martin

Print name

Signed [redacted] Repairmen Certificate # [redacted]