

N677SA
#2

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE DATA

1. Make Continental
2. Model T0-240-B
3. Specification _____
4. Manufacturer's Serial Number 1003084
5. Date of Manufacture _____



Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD							

wo: WO_472



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N677SA
HOBBS: 2721.4

Continental, IO-240-B, S/N: 1003084
TACH: 2013.5

March 23, 2024

1. Drained engine oil and removed oil filter.
2. Cut open oil filter. No defects noted at this time.
3. Installed new oil filter and serviced engine. Installed (8) P/N Phillips X/C 20W50 - Oil, Installed P/N AA48108-2 - Oil Filter.
4. Post run and leak check good.
5. Checked prop bolt torques IAW Sensenich W69EK-CF Rev. H due every 50 hours.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_472.

Jeff Pleiman A/P I/A 3304319

wo: WO_517



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HOBBS: 2785.9

Continental, IO-240-B, S/N: 1003084
TACH: 2062.5

June 25, 2024

1. C/W ANNUAL Inspection using Diamond DA20-C1 AMM and Continental IO-240-B standard practice maintenance manual as a guide.
2. Checked Compressions: #1: 72/80, #3: NEW /80, #2: 62 /80, #4: 64 /80 MO:42.
3. Checked Magneto timing.
4. Drained oil and took sample. Removed filter and cut open. NDN at this time.
5. Serviced engine Installed (6) P/N Mineral SAE20W50 - Oil, Installed P/N AA48108-2 - Oil Filter.
6. See work order 23011 from PCS Engines for #3 cylinder. Removed and Installed IAW Continental Standard Practice Maintenance Manual M-O. Removed, Sent for Repair, Reinstalled P/N IO-240 - CYLINDER S/N: 24061.
7. Installed 3 new Tempest spark plugs Installed (3) P/N URHM38E - Tempest, massive electrode.

I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_517.

Jeff Pleiman A/P I/A 3304319

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HOBBS: 2793.4

Continental, IO-240-B, S/N: 1003084

TACH: 2068.4

July 09, 2024

1. Drained engine oil and removed oil filter.
2. Serviced engine with 6 quarts of 20w50 Phillips X/C.
3. Installed new oil filter AA48108-2.
4. Post run and leak check good.

With respect to the work performed, this Engine is approved for return to service.

Jeff Pleiman A/P I/A 3304319

wo: WO_566

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HOBBS: 2858.3

TACH: 2118.4

September 03, 2024

IO-240-B, Engine PN: IO-240-B, SN: 1003084,

1. Drained engine oil and removed oil filter.
2. Cut open oil filter. No defects noted at this time.
3. Installed new oil filter and serviced engine. Installed (6) P/N Phillips X/C 20W50 - Oil, Installed P/N AA48108-2 - TEMPEST OIL FILTER.
4. Post run and leak check good.
5. Checked prop bolt torques IAW Sensenich W69EK-CF Rev. H due every 50 hours.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_566.

Jeff Pleiman A/P I/A 3304319

wo: WO_594

Engine 100 hour - page 1 of 1



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HOBBS: 2915.2

Continental, IO-240-B, S/N: 1003084

TACH: 2161.9

October 16, 2024

1. C/W 100 hour Inspection using Diamond DA20-C1 AMM and Continental IO-240-B standard practice maintenance manual as a guide.
2. Checked Compressions #4:40/80 All other cylinders above 60, recheck in 10 hours.
3. Checked Magneto timing.
4. Drained engine oil and removed oil filter.
5. Cut open oil filter. No defects noted at this time.
6. Installed new oil filter and serviced engine. Installed (6) P/N Phillips X/C 20W50 - Oil, Installed P/N AA48108-2 - TEMPEST OIL FILTER.
7. Post run and leak check good.

I certify that this ENGINE has been inspected in accordance with an (100 hour) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_594.

Jeff Pleiman A/P I/A 3304319

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD							

wo: WO_646

Engine 100 hour - page 1 of 1



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N677SA**Continental , IO-240-B, S/N: 1003084****December 13, 2024**

HOBBS: 2946.9

TACH: 2184.7

1. C/W 100 hour Inspection using Diamond DA20-C1 AMM and Continental IO-240-B standard practice maintenance manual as a guide.
2. Checked Compressions: Installed new cylinders. Check again @ 50 hrs.
3. Checked Magneto timing.
4. Drained engine oil and removed oil filter.
5. Cut open oil filter. No defects noted at this time.
6. Installed new oil filter and serviced engine. Installed P/N AA48108-2 - TEMPEST OIL FILTER, Installed (6) P/N Mineral SAE20W50 - Oil.
7. Removed cylinders #2 & #4 sent for repair @ PCS Engines under work orders 24121 & 24122. Reinstalled cylinders per M-0 Standard Practice Maintenance Manual dated January 6th 2023. Installed (3) P/N URHM38E - Tempest, massive electrode.

I certify that this ENGINE has been inspected in accordance with an (100 hour) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_646.

Jeff Pleiman A/P I/A 3304319

wo: WO_661

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N677SA**Continental , IO-240-B, S/N: 1003084****January 14, 2025**

HOBBS: 2956.6

TACH: 2191.7

1. Drained engine oil and removed oil filter.
2. Cut open oil filter. No defects noted at this time.
3. Installed new oil filter and serviced engine. Installed (6) P/N Phillips X/C 20W50 - Oil, Installed P/N AA48108-2 - Oil Filter.
4. Post run and leak check good.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_661.

Jeff Pleiman A/P I/A 3304319

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wo: WO_703

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HOBBS: 3005.9

Continental, IO-240-B, S/N: 1003084

TACH: 2227.6

March 26, 2025

1. C/W 100 hour inspection in accordance with FAR 43 Appendix D using Diamond DA20-C1 AMM and Continental IO-240-B standard practice maintenance manual as a guide.
2. Checked Compressions: #1:70/80, #3:62/80, #2:70/80, #4:64/80.
3. Checked Magneto timing per engine data tag.
4. Installed new spark plugs on top Cylinder #4 and bottom Cylinder #3, IAW Continental IO-240 EMM. Installed (2) P/N URHM38E - Tempest, massive electrode.
5. Installed new rocker box gaskets on all rocker box covers, IAW Continental IO-240 EMM. Installed (8) P/N RG-632310 - PREM VALVE COVER GASKET.
6. Drained engine oil and removed oil filter.
7. Cut open oil filter. No defects noted at this time.
8. Installed new oil filter and serviced engine. Installed (6) P/N Phillips X/C 20W50 - Oil, Installed P/N AA48108-2 - Oil Filter.
9. Post run and leak check good.

I certify that this ENGINE has been inspected in accordance with an (100 hour) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_703.

Ayden Welsh A&P 4977699

wo: WO_751

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HOBBS: 3055.9

Continental, IO-240-B, S/N: 1003084

TACH: 2263.5

June 02, 2025

1. C/W Annual Inspection in accordance with FAR 43 Appendix D using - Diamond DA20-C1 AMM and Continental IO-240-B standard practice maintenance manual as a guide.
2. Checked Compressions: #1: 70/80, #3: 74/80, #2: 76/80, #4: 68/80.
3. Checked Magneto timing.
4. Drained and serviced oil Installed (6) P/N 20W-50X/C - Oil.
5. R&R oil filter with new Installed P/N AA48108-2 - TEMPEST OIL FILTER.
6. R&R air filter with new. Installed P/N BA-235E - AIR FILTER ELEMENT DA20-C1.

I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_751.

Jeff Pleiman A/P I/A 3304319

Section 3A: Engine Service and Maintenance Log

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wo: WO_797



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HOBBS: 3120.8

Continental, IO-240-B, S/N: 1003084

TACH: 2312.5

July 17, 2025

1. Drained engine oil and removed oil filter.
2. Cut open oil filter. No defects noted at this time.
3. Installed new oil filter and serviced engine. Installed P/N AA48108-2 - TEMPEST OIL FILTER, Installed (6 qt) P/N 20W-50X/C - Oil.
4. Post run and leak check good.
5. Checked prop bolt torques IAW Sensenich W69EK-CF Rev. H due every 50 hours.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_797.

Braisen Bower A/P 4757372

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