February 17 2021
N420SE S/N 2293
Continental IO-550-N(42) S/N 689996
Flight Meter: 1256.0 Eng TT: 1268.13 Eng TSMOH: 122.43

VectorAir
Aircraft Inspection & Repair

Ere Municipal Airport
395 Airport Drive
Ere, Colorado 80516

1. Performed a 100hr inspection of **engine** for **annual** of **N420SE** in accordance with FAR 43 appendix D and Cirrus SR22 AMM Chapter 05-20 schedule maintenance checks as a guide, and Tornado alley 50/100 hour inspection items and a checklist as a guide.
2. Drained engine oil, removed and examined oil filter. No contamination found. Serviced with 8qts Phillips XC20W50 oil and new CH48108-1 oil filter. Performed run up leak check.
3. Performed cylinder compression test #1 72/80 #2 72/80 #3 74/80 #4 77/80 #5 74/80 #6 72/80.
4. Complied with Tornado Alley, **SI08-05** induction filter cleaning, **SI08-04** heat exchanger inspection, **SB08-01** breather discharge tube cleaning, **SB08-02** PRV duct inspection, **SB09-01** Half stamp exhaust manifold inspection, **SB12-02** engine driven fuel pump inspection, **SI11-01**, inspection of exhaust system slip joints, **SB11-04** turbo inlet screen, **SB11-03** Turbo support rod alignment, **SB10-01** alternate air door hinge inspection.
5. Complied with **AD20-16-11** by inspection and modifying cylinder heads per **SB18-08 Revision C**. Cylinder S/N's cyl 1 AC16DA975, cyl 2 AC16DA970, cyl 3 AC16DA978, cyl 4 AC16DA979, cyl 5 AC16DA972, cyl 6 AC16DA977.

Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. Flushed all oil hoses and lines. A list of AD's may be found in aircraft records. I certify this **engine** has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition. ------END------

Joel Burkholder
AP3277608IA

YEAR
20__
DATE

March 15 2022
N420SE S/N 2293
Continental IO-550-N(42) S/N 689996
Flight Meter: 1267.4 Eng TT: 1279.53 Eng TSMOH: 133.83

VectorAir
Aircraft Inspection & Repair

Ere Municipal Airport
395 Airport Drive
Ere, Colorado 80516

1. Performed a 100hr inspection of **engine** for **annual** of **N420SE** in accordance with FAR 43 appendix D and in reference to Cirrus SR22 AMM Chapter 05-20 schedule maintenance checks as a guide, and Tornado alley 50/100 hour inspection items and a checklist as a guide.
2. Drained engine oil, removed and examined oil filter. No contamination found. Serviced with 8qts Phillips XC20W50 oil and new AA108-2 oil filter. Performed run up leak check.
3. Performed cylinder compression test #1 75/80 #2 76/80 #3 76/80 #4 78/80 #5 73/80 #6 77/80.
4. Complied with Tornado Alley, **SI08-05** induction filter cleaning, **SI08-04** heat exchanger inspection, **SB08-01** breather discharge tube cleaning, **SB08-02** PRV duct inspection, **SB09-01** Half stamp exhaust manifold inspection, **SB12-02** engine driven fuel pump inspection, **SI11-01**, inspection of exhaust system slip joints, **SB11-04** turbo inlet screen, **SB11-03** Turbo support rod alignment, **SB10-01** alternate air door hinge inspection.
5. Installed new seal washers P/N's 640612 on fuel injectors for cylinders 4 and 6.

Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. Flushed all oil hoses and lines. A list of AD's may be found in aircraft records. I certify this **engine** has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition. -------END------

Terrill Shafer
AP2860279IA