PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

USE ONLY FUEL CONFORMING TO ASTM D910 USE OF AUTOMOTIVE GAS IS NOT APPROVED.



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 11/16/2006

This engine model I0550N42 , Serial No. 689996 was manufactured on 11/16/2006 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

| | Tota | I Time | | Since verhaul | Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, |
|---|--|--|---|--|--|
| | Hrs. | Min. | Hrs. | Min. | Modifications and Service Bulletins |
| 120/06 | 7 | .8 | | | _ |
| ,20,00 | | | | | |
| | | | | | THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE |
| | | | | | NUMBER HAS BEEN INSTALLED ON THIS ENGINE - SE10589SC |
| | | | | | † |
| | | | | | ODC 68 on 12 / 20 / 2005 Cirrus resign Corporation Duluth, MN USA |
| | | | | | Cirrus Resign Corporation Duluth, MN USA |
| | | | | | C# 530CE |
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| _ | SI | PECTR AV | UM IATION | 402 | 9 Airport Road, Suite 300 Lexington, KY 40510 859-255-1902 |
| - | Do | ite: Janu: | 23 20 | 07 | Airframe Log Book |
| - | | g No: N4 | | 07 | Aircraft: SR 22 Serial No: 2293 |
| _ | Ho | bbs: 53. | 7 | | Flight Time: 41.4 |
| - 5 | 1. | | | | arts Exxon 20W50 Elite Oil and new CH48108-1 filter. Cut open old filter and |
| _ | 2. | inspect Aircraf | ed. No pa | rticles for | ınd. erationally checks good. No leaks found. |
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| | Th | ie aircraft, rrent regu | airframe, lations of | engine, p | ropeller, or appliance identified was repaired and/or inspected in accordance with al Aviation Administration and is approved for return to service for the work performs. |
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| 8000 | LT METER | | AFTT: | D DICTA | N420SE TSR22 S/N 2293 W.O. P19221W LLFD NEW CH48108-1 FILTER AND SERVICED ENGINE |
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MODEL: **SR22** S/N: 2293 REG. No.

CORPORATE FLIGHT MANAGEMENT, INC. 625 FITZHUGH BLVD. SMYRNA, TN 37167 (615) 459-8883

DATE: 7/3/2007 Hobbs 316.5 Flight 317.5

Broug

Maintenance Accomplished:

N420SE

Engine

Drained oil and serviced with 7 quarts of Aero Shell 15W50. Removed and replaced oil filter with CH48108-1. Cut open oil filter for inspection, no abnormal particles found. Run up performed, no leaks noted at this time.

The aircraft identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and is approved for return to service. Details of the repair and inspection are on file at this Repair Station under Work Order №. 15579

Management

Signed:

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

MODEL: **SR22** 2293 S/N:

N420SE REG. No.

CORPORATE FLIGHT MANAGEMENT, INC. 625 FITZHUGH BLVD. SMYRNA, TN 37167 (615) 459-8883

8/18/2007 DATE: 352.8 Hobbs

Engine

Maintenance Accomplished:

Drained oil and serviced with 8 quarts of Aero shell 15W50. Removed and replaced oil filter with CH48108-1. Cut open oil filter for inspection, no abnormal particles found. Run up performed, no leaks noted at this time.

The aircraft identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and is approved for return to service. Details of the repair and inspection are on file at this Repair Station under Work Order No. 15729 Dated 08/18/07.

Signed:

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

MODEL: **SR22** 2293 S/N:

REG. No. **N420SE** CORPORATE FLIGHT MANAGEMENT, INC. 625 FITZHUGH BLVD.

SMYRNA, TN 37167 (615) 459-8883

DATE: 9/24/2007 Hobbs:

451.4 Flight: 445.5

Engine

Maintenance Accomplished:

Complied with TCM SID 97-3 (c) by adjusting fuel pressures and manifold pressure per Tornado Alley Turbo Charger Maintenance Manual.

The airframe identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and is approved for return to service. Details of the repair and inspection are on file at this Repair Station under Work Order No. 15901 Dated 09/24/07.

Manageneni

Signed:

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

CFM Form 007

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|) | | 1500 (500) | | |

Date ord Changed the oil and filter. 8 qt. 15W-50 Aeroshell was added. The engine was washed down, ran and checked for leaks. tions, MAINTENANCE RELEASE **Brought For** The aircraft and/or component identified chove was repaired and inspected in coordance with current Federal Aviation Regulations and is approved for return to sarvica. Pertinent details of the repair are on file at this agency under work order. 11836 Date 10 G-Force Aviation, Inc. Akron/Canton Regional Airport Euilding #17 North Canton, Ohio 44720 FAA Ropair Sta. G25R235Y Avtech Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net **Engine Entry N420SE:** TCM IO550N S/N 689996 Date: 10/16/07 Flight Hobbs: 463 Performed the following maintenance/ repairs: Fuel Injection System Functional Inspection of Fuel Injection System in accordance with Teledyne Continentals Motors Service Information Directive 97-3. Clean and recharge K&N air filter as per K&N Air Filter Service Instruction 18627. Gascolator Fuel Filter and Bowl. Drain and clean. Exhaust System Perform Inspection/Check. Exhaust System. Visual inspect turbos, supports and components, exhaust and connections as per Tornado Alley Report 215-10. Replaced right exhaust short stack ETI-SR22-100-1, left short stack eti-sr22-103-1, right turbo support ETI-SR22-2300, left turbo support ETI-SR22-2200, left turbo lateral bracket eti-g2-600-120. Replaced cylinder 3 egt probe 16579-001. Orientate right turbo oil feed line. Perform an airplane run-up in accordance with Operational/Functional Check in SR22 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted A&P400087835 Avtech Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net **Engine Entry N420SE:** TCM IO550N S/N 689996 Date: 12/7/07 Flight Hobbs: 509 Performed the following maintenance/ repairs: Oil/filter change, installed AA48108 filter and serviced with 8 qt's Aeroshell 15W50. Exhaust System Perform Inspection/Check Exhaust System. Visual inspect turbos, supports and components, exhaust and connections as per Tornado Alley Report 215-10. Replaced right exhaust tail pipe ETI-G2-110-R1. Perform an airplane run-up and Operational/Functional Check. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted A&P400087835

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Total Time

Time Since



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net Engine Entry N420SE:

TCM IO550N(42) S/N 689996 Date: 1/11/08 Flight Hobbs: 520

Performed the following maintenance/ repairs: Performed Annual inspection utilizing Cirrus. TCM Maintenance Manuals and as per FAR 43.9 Appendix D. Changed Engine Oil/ Filter. Dissect Filter No Abnormalities Noted. Installed AA48108 Filter and Serviced with 8 Qt's Aeroshell 15W50. Engine Compression Functional Inspection in accordance with Teledyne Continentals Motors Maintenance Manual, Section 19 over 80 psi: 1~60 2~60. 3~68. 4~57. 5~69. 6~58. Perform TCM Top Care Inspection as per SID97-2B. Spark Plugs Inspect. clean, re-gap and rotate in accordance with Teledyne Continentals Motors Maintenance Manual, Section 12, Fuel Injection System Functional Inspection of Fuel Injection System in accordance with Teledyne Continentals Motors Service Information Directive 97-3C. Nozzles cleaned and replaced with gaskets and seals. Engine Baffling and Seals Visual Inspection for cracks, tears, and rips. Ignition Harness Inspect for high-tension leaks and continuity. Magnetos performed 500 hour inspection as per TCM X42002-1 manual paragraphs 6.2.2 and 6.2.3 contact assemblies replaced both magnetos in addition to mandatory replacement parts complied with AD 2005-12-06. Magneto Functional Inspect magneto to engine timing as per MSB94-8C. Air Intake Ducts Visual Inspection for general condition. Induction System Filter Replace BA-24. Gascolator Fuel Filter and Bowl Drain and clean, seals replaced. Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castellated nuts, and oversized washers. Exhaust System Perform Inspection/Check. Exhaust Muffler/Heat Exchanger Perform Inspection/Check. Visual inspect turbos, supports and components, exhaust and connections as per Tornado Alley Report 215-10. Checked and complied with Airworthy Directives to date, see compliance report in aircraft records. Perform an airplane run-up in accordance with Operational/Functional Check in Section CMM 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted, I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N420SE:

TCM IO550N S/N 689996 Date: 3/13/08 Flight Hobbs: 569

Performed the following maintenance/ repairs: Change engine oil/filter, installed AA48108 filter, serviced with 8 qts Aeroshell 15W50. Replaced starter adapter with new assy 8130-3 in records. Fabricate and install new waste gate slave rod support bracket. Perform an airplane run-up in accordance with Operational/Functional Check in SR22 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted

A&P400087835

4000878351.4



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net

Engine Entry N420SE:

TCM IO550N S/N 689996 Date: 7/18/08 Flight Hobbs: 691

Performed the following maintenance/ repairs: Change engine oil/filter, installed AA48108 filter, serviced with 8 qts Aeroshell 15W50. Replaced starter adapter with new assy 8130-3 in records. Perform an airplane run-up in accordance with Operational/Functional Check in SR22 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none

N420SE 3/13/04 FH 569

| 1. Approving Nation Authority/C FAA/Unite | Country: | AUTHORIZED RELI FAA FORM 8130-3, AIRWOI | | 3. Form Tracking Number: SAME AS BLOCK 5 |
|---|--------------------------|---|------------------|---|
| 4. Organization Name and A | Teledy 2039 B | ne Continental Moto road Street , Alabama 36601 | PC #508 | 5. Work Order/Contract/Invoice Number: P52247 |
| 6. Item | 7. Description | | 8. Part Number: | 9. Eligibility:* |
| 1 | ADAPTER | ASM-STARTER | 642083A12 | N/A |
| 10. Quantity: | 11. Serial/Batch Number: | | 12. Status/Work: | |
| 2 | N/A | | NEW | |

13 Remarks:

AIRWORTHINESS APPROVAL

| Certifies the items identified above were manufactured. Approved design data and are in a condition for some approved design data specified in Block 13. | entrologica sonte invocato en como antenesso 🐔 versión | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
|---|--|--|--|
| 18. Authorized Signature | 16. Approval/Authorization No.: | 20. Authorized Signature: | 21. Approval/Certificate Number: |
| Manuel & Nupolas | DMIR#CE-511010 | XXXXXXXXXXXXXX | xxxxxxxx |
| Name (Typed of Printed): | 18. Date (m/d/y): | 22. Name (Typed or Printed): | 23. Date (m/d/y): |
| Daniel L. Nicholas | DEC/10/2007 | XXXXXXXXXXXXXXX | XXXXXXXX |

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

| Date | Total Tir | | Since Overhaul | Engine Service and Maintenance Record |
|---|--|---|---|---|
| | Hrs. N | Vin. Hrs. | Min. | Installations. Inspections. Airworthiness Directives, Special Inspections, |
| Brought Forwa | rd — | > | | Woulded and Colvice Salletine |
| MODEL: S/N: REG. Nº | 2293 N420SE | CI CORPORATE FLIC | T M | DATE: 8/28/2008 TAT: 749.6 Hobbs: 786.2 Flight: 749.6 |
| ร เล ervice Bulletii | 70 11 5 | | Eng | gine S/N 689996 |
| complied with Talintenance A Drained oil and oil filter for insp Removed and in Removed and in Complied with Adjusted manif | ornado Alley S ccomplished: serviced with 8 section, no abneplaced waste eplaced slave FCM SID97-3e | 3 quarts of Ae ormal particle gate linkage wastegate wi (Fuel Syster er Tornado Al | ero Shell 1 es noted. with P/N 2 th P/N 22- n Setup). ley Mainte | 15W50. Removed and replaced oil filter with CH48108-1. Cut open. Run up performed, no leaks noted at this time. 22-5650008 with ref. to Tornado Alley Maintenance Manual. 2-6150026 with ref. to Tornado Alley Maintenance Manual. tenance Manual. e normal at this time. |
| ated 8/28/2008 Signed: | 2 Dag | 1 | | this repair station under Work Order Nº.17026 and 17027 Contisted Papair Station Full R920D Form CFM 007 |
| For: Corp | orate Flight Ma | anagement, | inc. | Certified Repair Station FJTR920D Form CFM 007 |
| Cha | | r. Cut filter op | en and fou | Time 781.6 bund no metal. Serviced engine with 8 qts. Aeroshell 15Wup and leak check good. Cleaned belly of aircraft. |
| and app | with respect to | work performe to service. De | ed, the airc | ove were inspected in accordance with current regulations rcraft and/or component was found airworthy and is n file under work order 4902. |
| | | | | MONTGOMERY AVIATION, INC. 11329 East State Road 32 Zionsville, IN 46077 317 - 769 - 4487 Certified Repair Station No. MYNR748K |
| | | | | |

ENGINE MODEL: ENGINE S/N: REG. NO: N420SE WORK ORDER: 27587-07-2008

Date

Brought For



Commander Aero, Inc.

Repair Station No. GA5R-876M 10570 Springboro Pike Miamisburg, Ohio 45342 USA Phone: 888-881-5580 DATE: 7/8/2008 A/C TSN: 770.4 ENG TT: 770.4 HOBBS: 770.4

ord ctions.

| Eng | ine | Entrie | |
|-----|-----|--------|--|

(1) Changed oil and filter. Serviced engine with Aeroshell, 15W50, 8qts. Inspected used oil filter, all seems normal. Washed down engine and ran for leak check.

Maintenance Release

The aircraft and/or component(s) on N420SE was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 27587-07-2008, Dated 7/8/2008.

DATE: 7/8/2008

SIGNED:

Work Order: 27587-07-2008

Printed by EBis 3 (datcomedia.com)

Kromer, Gary Certified Repair Station No. GA5R-876M

1 of 1



Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 avtech@alltel.net Engine Entry N320CD:

TCM IO550N S/N 917482 Date: 7/10/08 Hobbs: 116

Performed the following maintenance/ repairs: Engine oil drain and change, serviced with 8 qt's Aeroshell 15W50. Oil Sump Plug/ Drain Visual Inspection for condition. Oil Filter Perform Inspection/Check - oil filter particles, none noted. Installed AA48108 Filter, Replaced cht probe #1 cylinder. Perform an airplane run-up in accordance with Operational/Functional Check in SR22 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities, none noted.

Rhett Hart be in airworthy condition. accordance with Annual and was determined Engine Logbook Entry N420SE certify that this engine was inspection in /17/09 Flt Mtr. - 828.3 T.T.S.O cylinder p/n 534610, Install valve cover gaskets, push-rod seals M674 Repair cracked baffle, install double Clean Air filter Compression all above 70 Clean and rotate plugs, install new gaskets Comply with annual checklist 05-20 page3-17 Aeroshell 15-50W and CH48108 filter. Change oil and filter and service with 8qts AP227252878IA 632459, #

W.O.R22571W S/N 2293 TSR22 AFTT: 907.7 N420SE 04/14/10 FLT METER: 907.7 ENGINE: TSN: 907.7 S/N 689996
REMOVED THE ABOVE NOTED ENGINE FROM THE ABOVE NOTED AIRCRAFT FOR OTHER MAINTENANCE. DETAILS ARE ON FILE UNDER THE ABOVE REFERENCED WORK ORDER. Record I Inspections, SIGNED MM FOR EAGLE CREEK AVIATION SERVICES, INC. - FAA CERTIFICATED REPAIR STATION MV5R055N Brou

Date Total Time Time Since Engine Service and Maintenance Record Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Hrs. Min. Hrs. Min. Modifications and Service Bulletins Broug AIRWORTHINESS DIRECTIVE repair At date of engine XXXXXXX 05/19/2010 Engine Model: IO-550-N Authorized Signiture: AD & REV# REV DATE APPLIC. SB # ONETIME RECURRING 88-03-06 M88-4X 91-19-03 M90 - 14X 93-08-17 M91-10 Rev 1 X 93-10-02 MSB93-12 X 99-19-01 MSB99-3C X 2000-23-21 MSB00-5D X 2009-19-07 MSB009-1B X 2009-24-52 MSB09-8 X END-12 PAGE Quantity U4 U4UHHUOOHU4UHUHUMUHHU90UHH40 F.A.A. OKS MW2R0201 CLEANED, INSPECTED, REPAIRED AS EMBLED, & DYNO TESTED USING THE 1701 E Main Street 966689

found airworthy for return to service. Pertinent details of the repair are inspected in accordance with current Federal Air Regulations and was The aircraft and or component identified below was repaired and on file at this agency under Work Order Number:

Serial Number: Signed: IO-550-N 05/19/2010 Engine Model Date:

Aircraft,

Griffith, IN 46319 (219)924-7110

DISASSEMBLED, CLEANEI NEEDED, REASSEMBLED, FOLLOWING PARTS: 05/19/10 13:22:48

Item Description

FILTER OIL
Nut (AN315R)
O RING (SS FROM MS9021-016)
6-Cylinder camshaft-regrind
Crankcase reconditioned
MAJOR O/H KIT

NUT-SELF LOCKING 534609-S Pushrod Hsg Washers TCM V/C GASKET Gasket (alt 653470) Washer Washer Lock Tab

AA48108-2 AN315-5R AS3578-016 CAM-6R CASE-6CO RECON EQ7191 NAS1805-4 O-PARIS NG-632459 SAG30916 X1473 501868 630979-24 630979-24

Washer Bearing O'ring (AN123902) O Ring Baffle

Seal (632248)

633958-2 633958-2 640612 641250 646592A2 646692A2 646692A2 653877-R 65388-R 65388-R 654587-.44 654587

LIFTER BODIES RECON Cam bolt (old 631088-.44) Rings (alt 649227)

(646592A1

Bearing set (646522...

BUMPER RUBBER

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Date **Total Time** Time Since **Engine Service and Maintenance Record** Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Hrs. Min. Hrs. Min. Modifications and Service Bulletins Broug AIRWORTHINESS DIRECTIVE repair At date of engine XXXXXXX 05/19/2010 Engine Model: IO-550-N Authorized Signiture: AD & REV# REV DATE APPLIC. SB # ONE TIME RECURRING 88-03-06 M88 - 4X 91-19-03 M90 - 14X 93-08-17 M91-10 Rev 1 X 93-10-02 MSB93-12 X 99-19-01 X MSB99-3C 2000-23-21 MSB00-5D X 2009-19-07 MSB009-1B X 2009-24-52 MSB09-8 X END-Quantity found airworthy for return to service. Pertinent details of the repair are on file at this anancy under Work Order Number: 66826 nspected in accordance with current Federal Air Regulations and was INSPECTED, REPAIRED AS DYNO TESTED USING THE 1701 El Main Street 966689 Griffith, IN 46319 (219)924-7110 The aircraft and or component identified below was repaired and Serial Number: FILTER OIL
Nut (AN315R)
O RING (SS FROM MS9021-016)
O RING (SS FROM MS9021-016)
Crankcase reconditioned
MAJOR O/H KIT
NUT-SELF LOCKING
534609-S PUSHING HSG Washers
TCM V/C GASKET
Gasket (alt 653470) * * on file at this agency under Work Order Number: LIFTER BODIES RECON Cam bolt (old 631088-.44) Rings (alt 649227) G&N Aircraft, Inc. Seal BUMPER RUBBER Bearing set (646592A1) Nut (Fuel Use Only) DISASSEMBLED, CLEANED, NEEDED, REASSEMBLED, & FOLLOWING PARTS: Bearing O'ring (AN123902) O Ring Baffle Seal (632248) LIFTERS RECONNED Signed: Washer Lock Tab Seal Washer Flat Item Description

Washer Washer

AA48108-2 AA3578-016 CAM-6R CASE-6CO RECON EQ7191 BC7191 BC7191 BC71805-4 O-PARTS SAG30916 X1473 501868 63899 630979-24 630879-9 630879-9 630879-9 630879-9 640612 646614 646605 646605 653888-R

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BUTLER AIRCRAFT SERVICES

541-923-1355

DATED: 8-26-2010

N420SE TCM TSIO-550-N SN: 689996 FLIGHT HOBBS: 930.7

DRAINED OIL, REMOVED AND INSPECTED FILTER WITH NO DEFECTS NOTED INSTALLED NEW CH48108-1 FILTER AND SERVICED WITH 8 QUARTS OF AEROSHELL 15W-50. OPERATIONAL AND LEAK CHECKS COMPLETED WITH NO DEFECTS.

NATE WILLIAMSON A&P 3223179

| | Total Tim | | Since Overhaul | | ervice and Mai pections, Airworthiness D | | |
|--|--|--|---|---|---|--|---|
| | Hrs. Mi | n. Hrs. | Min. | | d Service Bulletins | moodves, openial inc | |
| Leading the Business | FR >> of Aviation | | | est Deer Valley Road enix Arizona 85027 | | 623-581-1444 Phone 623-581-1555 FAX | |
| Model Serial No. Registration Engine Model | SR22 2293 N420SE IO550N42 | And the second s | En | igine Log | Work Order No. Hobbs Aircraft Total Time Engine Serial | 09MN-2161 1069.1 1069.1 689996 | |
| Drained Oil. Too new oil filter p/n 1.) 76/80, 2.) 75/ Removed, cleane Inspected Inspect for the turbonorn Removed left p/n inspection. RPR Specialists FAA | k AOA sample CH48108-1. Se 80, 3.) 77/80, 4. d, inspected, test tornado alley transized Cirrus D 10-50056-101 06/06/2011. Re CRS# ZF7R 72 | midstream. Re rviced engine .) 74/80, 5.) 79 sted, rotated an urbo exhaust in design SR22 Se s/n D06KA06 ceived repaired 8Y under work | moved oil f with 10qts of //80, 6.) 74// d reinstalled a reference t cries Airplan 8 and right p d magnetos c order M08 | ilter from engine, cut of Aeroshell 15W-50. I 80. M/O 45/80; d all sparkplugs; to the Tornado Alley The report 215-10 section p/n 10-50056-101 s/n 1 p/n 10-500556-101 s/r 13 and M0814. Installe | 5-20 dated 15 Jun 2010. pen, and inspected. No discreptan engine. No leaks detected; arbo Inc. Maintenance Manual in B and C. No discrepancies in 206KA069 magnetos and sent in 206KA069 and D06KA068 field the left magneto p/n 10-5005 timed in reference to the Engine | with troubleshooting oted; out for 500 hr om Aircraft Engine 66-101 s/n D06KA068 | |
| were found airwo | omponent identi | | | | ance with current Federal Avia le at this agency under the abov | e listed work order. | |
| Signed: I certify that this condition | aircraft engine | has been inspe | | nchett AP3165742 ordance with an Annua | Date | | |
| 0! | d: | | / | - 6/() | -//// Dat | e: 6/15/11 | |
| Signed | | | Dan Co | rallo AP 89527431IA | Dai | C. 0/13/11 | |
| Signer | | | Dan Co | rallo AP 89527431IA | Sep 500 | G. 0/13/11 | _ |
| Signer | | | Dan Co | rallo AP 895274311A | Dai | 6. 0/13/11 | |
| DATE:08-0: I420SE T COMPLIED W 1-74, #2-72, DEFECTS NO | 1-3-2012 CM IO-5 VITH A 100I #3-71, #4-7 DTED. INST ELL 15W-50 | HR INSPE 0, #5-72, # ALLED NE). CLEAN / | 1: 68990 CTION C 66-70. DR EW CH48 | SIRRUS SR22 MI RAINED OIL AND B109-1 FILTER A | TACH:\\\\(\(\)\(\)\(\)\(\)\(\)\(\)\(\ | AS FOLLOWS WITH NO 8 QUARTS | |
| DATE:08-0: I420SE T COMPLIED W 1-74, #2-72, DEFECTS NO DEFECTS NO | 1-3-2012 CM IO-5 VITH A 100I #3-71, #4-7 DTED. INST ELL 15W-50 VITH. ALL O | HR INSPECTOR #5-72, # CALLED NE COLEAN / DERATIO HAS BEE | CTION C 6-70. DF W CH48 AND REC NAL ANI | SIRRUS SR22 M RAINED OIL AND B109-1 FILTER A DIL INDUCTION D LEAK CHECK | TACH:\\\(\(\)\(\)\(\)\(\)\(\)\(\)\(\) | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |
| OATE:08-0: 1420SE T COMPLIED W 1-74, #2-72, DEFECTS NO | 1-3-2012 CM IO-5 VITH A 100I #3-71, #4-7 DTED. INST ELL 15W-50 VITH. ALL O | HR INSPECTOR #5-72, # CALLED NE CLEAN / DPERATION HAS BEE AIRWOR | EN INSPI | SIRRUS SR22 M RAINED OIL AND B109-1 FILTER A DIL INDUCTION D LEAK CHECK | TACH:\\\\(\begin{align*}(1.6) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |
| OATE:08-0: 1420SE T COMPLIED W 1-74, #2-72, DEFECTS NO | 1-3-2012 TCM IO-5 WITH A 1001 #3-71, #4-7 DTED. INST ELL 15W-50 WITH. ALL O | HR INSPECTOR #5-72, # CALLED NE CLEAN / DPERATION HAS BEE AIRWOR | EN INSPI | EIRRUS SR22 M RAINED OIL ANI B109-1 FILTER A DIL INDUCTION D LEAK CHECK ECTED IAW A 1 | TACH:\\\\(\begin{align*}(1.6) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |
| OATE:08-0: I420SE T COMPLIED W 1-74, #2-72, DEFECTS NO | 1-3-2012 TCM IO-5 WITH A 1001 #3-71, #4-7 DTED. INST ELL 15W-50 WITH. ALL O | HR INSPECTOR #5-72, # CALLED NE CLEAN / DPERATION HAS BEE AIRWOR | EN INSPI | EIRRUS SR22 M RAINED OIL ANI B109-1 FILTER A DIL INDUCTION D LEAK CHECK ECTED IAW A 1 | TACH:\\\\(\begin{align*}(1.6) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |
| OATE:08-0: I420SE T COMPLIED W 1-74, #2-72, DEFECTS NO | 1-3-2012 TCM IO-5 WITH A 1001 #3-71, #4-7 DTED. INST ELL 15W-50 WITH. ALL O | HR INSPECTOR #5-72, # CALLED NE CLEAN / DPERATION HAS BEE AIRWOR | EN INSPI | EIRRUS SR22 M RAINED OIL ANI B109-1 FILTER A DIL INDUCTION D LEAK CHECK ECTED IAW A 1 | TACH:\\\\(\begin{align*}(1.6) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |
| DATE:08-01 JA20SE T COMPLIED W 1-74, #2-72, DEFECTS NO DEFECTS N | 1-3-2012 TCM IO-5 WITH A 1001 #3-71, #4-7 DTED. INST ELL 15W-50 WITH. ALL O | HR INSPECTOR #5-72, # CALLED NE CLEAN / DPERATION HAS BEE AIRWOR | EN INSPI | EIRRUS SR22 M RAINED OIL ANI B109-1 FILTER A DIL INDUCTION D LEAK CHECK ECTED IAW A 1 | TACH:\\\\(\begin{align*}(1.6) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |
| DATE:08-01 JA20SE T COMPLIED W 1-74, #2-72, DEFECTS NO DEFECTS N | 1-3-2012 TCM IO-5 WITH A 1001 #3-71, #4-7 DTED. INST ELL 15W-50 WITH. ALL O | HR INSPECTOR #5-72, # CALLED NE CLEAN / DPERATION HAS BEE AIRWOR | EN INSPI | EIRRUS SR22 M RAINED OIL ANI B109-1 FILTER A DIL INDUCTION D LEAK CHECK ECTED IAW A 1 | TACH:\\\\(\begin{align*}(1.6) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | AS FOLLOWS WITH NO 8 QUARTS ED NEW ALT | |

| Date | Total Time | 1 | Since Verhaul | Engine Service and Maintenance Record |
|-----------------|------------------------------------|-------------|----------------------|--|
| | Hrs. Min. | Hrs. | Min. | Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
| Prought Forward | | | | Weather and Corvice Building |
| DATE: 8 | 27/2013 | | <u> </u> | |
| | |)-N SN·6 | 8996 EN | NGTT: 1204.3 HOBBS:1204.3 |
| | . 4,,, 10 33, | J 14 514. 0 | ,0550 E1 | VOTT. 1204.5 HOBBS:1204.3 |
| COMPLII | ED WITH A 10 | OHR INS | PECTION | IAW CIRRUS SR22 MM. COMPRESSIONS AS FOLLOWS #1-73,#2- |
| /1,#3-/1 | J, #4-/1, #5 | /3,#6-69. | . DRAINE | D OIL, REMOVED AND INSPECTED FILTER WITH NO DEFECTS |
| NOTED. | INSTALLED N | EW CH48 | 108-1 FI | LTER AND SERVICED WITH 8 QUARTS OF AREO SHELL 15W-50 |
| CLEANEL | AND REOIL | בט ואטטכ | TION All | R FILTER. |
| ALL OPE | RATIONAL AN | ID LEAK C | CHECKS (| COMPLETED WITH NO DEFECTS NOTED. |
| I CEDTIC | THE ENGIN | FUACRE | F11 11105 | |
| I CERTIFY | ORTHY CONE | E HAS BE | EN INSPI | ECTED IAW A 100HR INSPECTION AND WAS DETERMINED TO BE |
| | OKINI CONL | ITION. | | 17 () |
| NATE WI | LLIAMSON A | D 322317 | 70 / | |
| | I | 1 322317 | | |
| | | | | |
| 11/1/2014 | | | | |
| N420SE TC | M 10-550-N SN | I: 68996 TA | CH: 1108 | ENGTT: 1108 |
| PERFORME | D A 100 HOUR I | NSPECTIO | N IAW CIE | RRUS INSPECTION GUIDE CHPT 5-10. |
| INSPECTED | TURBO SYSTE | M IAW TOP | RNADO AL | LEY TURBO INC. MAINTANCE MANUAL |
| COMPRESS | IONS AS FOLL | DWS #1-72, | #2-74,#3-7 | 70.#4-70.#5-73.#6-69 VERIFIED TIMING AT 24 DEG RTC. REMOVED. |
| OIL PRESSU | JRE RELIEF VAI | VE. REMO | OVED STA | FUEL INJECTORS. REMOVED, CLEANED, INSPECTED AND REINSTALLED RTED ADAPTÉR, REPAIRED BY PREMIER AIRCRAFT UNDER WO 13089. |
| AIND DEIMO | ALLED. SERVI | CED INDO | CHON AIR | REILIER PER MM |
| DEFECTS N | OTED. SECUR | BY INSPEC | TING AND | RETORQUE OF MIXTURE AND THROTTLE ARM IAW TCM CSB08-3B. NO SURE TRANSDUCER. INSTALLED NEW RH WASTE GATE SPRING PN |
| LEWIZUD. IN | 12 I ALLED ALL | SPARK PLU | JGS PN UF | RHB32S, ALSO COMPLIES WITH TORNATO ALLEY SR11-05. DRAINED OF |
| REINOVEDA | ND INSPECTE F AEROSHELL |) FILLER M | VITH NO D | EFECTS NOTED. INSTALLED NEW CH48108-1 FILTER AND SERVICE WITH |
| AD 2014-05- | 29, N/A, NO SA | P CYLINDE | R INSTALI | LED. NO FURTHER ACTION REQUIRED. |
| —— AD 2012-10- | 13, N/A, START | ER ADAPTE | ER MODEL | NOT INSTALLED NO FURTHER ACTION REQUIRED |
| AD 2012-03- | 06, N/A, FUEL S 51. N/A. STARTI | ER ADAPTE | PHRAGM I FR MODEL | NO INSTALLED, NO FURTHER ACTION REQUIRED. NOT INSTALLED, NO FURTHER ACTION REQUIRED. ——————————————————————————————————— |
| ALL ADS CL | IRRENT THROU | JGH BIWEE | EKLY 2014 | -21. |
| ALL OPERAT | TONAL AND LE | AK CHECK | S COMPLE | ETED WITH NO DEFECTS NOTED. |
| I CERTIFY T | HAT THIS ENGI | NE HAS BE | EN INSPE | CTED IAW AN 100HR INSPECTION AND WAS DETERMINED TO BE IN |
| AIRWORTH | CONDITION. | | \mathcal{M} | - |
| NATE WILLIA | AMSON AP 3223 | 3179 | | |
| | | + 4 | | |
| 12 | | | | |
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| Date | Total | Time | | Since Overhaul | " Engine Service and Maintenance Re | cor |
|--|---|------------------------|---------------------------|-------------------|--|--|
| | Hrs. | Min. | Hrs. | Min. | Installations, Inspections, Airworthiness Directives, Special Ins Modifications and Service Bulletins | pection |
| ught Forward | | > |) | | | |
| GLENDAY C | elenda | le Aer | o Servi | ices | Registration: N420SE ENGINE | 00 |
| 6 | 841 N. G | len Harbo | or Blvd | | Date: 10/23/2015 W/O: 6001374 | -OG |
| | lendale, 23-414-49 | | 7 | 51 | Model: IO-550-N Flt Hobbs: 1121.5 | |
| SUPERIOR STREET | 2012/05/05/05/05/05/05 | SANGER OF THE SANGE | | | S/N: 68996 TSMOH: 1121.5 | National Control |
| 5-20 and Pred | n an ann ise Fliah | ual inspe nt/Tornac | ection IA\ do Alley II | N 14 CFI | R 43 Appendix D using the Cirrus Aircraft annual inspection checklist | СН |
| AD's research | ed thru T- | -Data cor | tent revis | ion 2015. | 5-20, see attached AD compliance list for details. | |
| Compressions | checked | in accord | dance with | 1 ICM SI | 3B-03-03: Section B 1-72 2 70 3 72 4 69 5 74 6 70/00 (11.1) | |
| Drained engine | e oil. colle | ected Blac | ckstone of | l sample | e for analysis. Removed filter and significant | decima |
| John Carrinia Chort, | mile iou | nu numa | II. IIISIAIIE | o new (.) | .H48108-1 and congred ongine with 0 at a file we constrain w | int |
| | | | | | | |
| | | | | | uired. Cleaned, gapped and rotated spark plugs. Re-installed plugs with ne | w |
| Maintenance p | erformed | in accor | dance with | h Model S | SR-22 AMM, CMI IO-550 Series OHL manual and TCM SB 96-7D. | |
| - Cot mopodio | Tun pow | er ground | I tull allu | operation | onal check performed with all indications normal and no defects or leaks not | ed. |
| I certify this en | gine has | been ins | pected in | accordan | nnce with an Annual / 100 hr. inspection and was determined to be in airwor | hu. |
| condition | | | | | moposition and was determined to be In airwor | iy |
| SIGNATURE: | James L | Butler | Jan (| Sy | FAA AUTHORIZATION: 2833700 IA | 9054400 tabe |
| | | | 7 | . 00 | | 3 |
| | | | | 1 | | |
| March 23, 2 N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | VectorAir Aircraft Inspection & Repair for repair due to prop strike with tow bar | and the second s |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. 395 Airport Drive Erie, Colorado 80516 END | PROCESSES BOOKERACK CORPORATION OF THE STREET |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. 395 Airport Drive Erie, Colorado 80516 END | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | The state of the s |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
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| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- II: 1475-7 3/4/5 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- T: 1475-7 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- T: 1475-7 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |
| N420SE S Continenta Flight Meter | S/N 2293 II IO-550- T: 1475-7 | N(42) S Eng TT | : 1475.7 | 5 | for repair due to prop strike with tow bar. Terrill Shafer | |





ASA-SE-2



Phone: 815.544.2300 800.397.8181 LIMITED AIRCRAFT ENGINE WARRANTY FAX: 815.544.8900

Poplar Grove Airmotive, Inc. (PGA) limits its warranty on the listed engine overhauled by PGA to be free from defects in material and workmanship under normal use and service for a period of two years or 500 hours, whichever occurs first from the completion date of the overhaul. All accessories overhauled by PGA are warranted for 250 hours of operation or one year, whichever event shall occur first.

Any engine, cylinder or component Repair not associated with a major engine overhaul is warranted to be free from defects in material and workmanship for six months.

The obligation of the Company under this warranty is limited to the repair or replacement, at the option of PGA, of any part, component or engine, which, in the opinion of PGA is defective. PGA assumes no obligation for work accomplished at a facility other than PGA unless prior notification is given and the owner receives authority from PGA to proceed. PGA additionally reserves the right to furnish any parts and/or components required. If requested by PGA, owner must return all warranted parts, transportation prepaid, to PGA for examination.

Warranty is not applicable to routine maintenance, inspection or adjustments. Replacement or repair of an engine component or accessory will not be construed to extend the initial warranty period.

This warranty shall not apply to engines, their component parts or accessories which have been improperly installed, adjusted, stored, handled, repaired, altered or operated contrary to current manufacturer's recommendations of FAA Airworthiness Directives, or subjected to misuse, neglect, accident, pre-ignition, detonation, hydrostatic lock or corrosion.

PGA does not warrant accessories, such as factory-remanufactured magnetos, carburetors, starters, etc. supplied by a vendor other than PGA when that vendor has its own warranty.

No express warranties and no implied warranties, whether of merchantability or fitness for any particular use, or otherwise (except to title) other than that expressly set forth above, which is made expressly in lieu of all other warranties, shall apply to products sold by PGA.

This warranty and this PGA's obligation thereunder is in fleu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, and all other obligations or liabilities, including consequential damages or contingent liabilities arising out of the failure of any engine or part to operate properly, and no person is authorized to give any other warranty or to assume any additional obligation on PGA's behalf unless made in writing and signed by an officer of PGA.

Date 16/JUN/2016 Model Cont. In-550-N S/N 689996 WO# 7716

for takeoff power. Whi insure good air speed operating handbook. I into the green arc.

After starting the engir

If the engine is normal We recommend a dens

Do not run the engine required cylinder remoto keep the engine tem

Descend at low cruise pass this will cause the er

Here is only one object such a manner that qui Au tesst in the engine and use AD (ashless rise

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Revised 6/24/14

POPLAR GROVE AIRMOTIVE, INC. CRS YYBR664L SUGGESTED BREAK-IN PROCEDURES

After starting the engine, ensure a normal warm up, but avoid prolonged ground running. Follow the airframe manufacturer's recommendations for takeoff power. When possible, reduce power to the climb power setting specified in the operator's manual. Establish a shallow climb angle to insure good air speed for proper cooling. Use more cowl flaps than normal or step climb to help in this process. Adjust mixture per aircraft operating handbook. Excessive heat is the primary cause of cylinder bore glazing. Make every effort to keep your operating temperature well

If the engine is normally aspirated (non-turbocharged) it will be necessary to cruise at a low altitude to obtain the required cruise power levels. We recommend a density altitude less than 5,000 feet to allow the engine to develop sufficient cruise power for a good break-in.

Do not run the engine above 75% power in a cruise setting or the probability of glazing cylinder bores is increased. Glazing cylinder bores required cylinder removal, honing and installing new piston rings. Poplar Grove Airmotive does not warranty this condition. Your ability to keep the engine temperature well in the green arc and within a power range of 65% to 75% power will be the key to a successful break in.

Descend at low cruise power while closely monitoring the engine instruments. Avoid long descents at low manifold pressure and rapid descents,

There is only one object to be accomplished during the break-in: the stabilization of oil consumption. Record all oil additions and flight hours in such a manner that quart per hour of flight is known. During this portion of the break-in, which could range 25 to 100 hours, mineral oil must be used in the engine. Change oil and inspect filter after approximately 10 hours - then 35 hours - then per your normal schedule, however, do not use AD (ashless dispersant) oil until consumption stabilizes.

Engine Oil Recommendation For Distan Ding Spati

| Aero Shell 100 | Piston Ring Seating |
|-----------------|---------------------|
| Aero Shell 80 | SAE 50 |
| Aero Shell 65 | SAE 40 |
| Phillips 20W-50 | SAE 30 |
| 7 mmp3 20 W 30 | Type M |

Above 60 degrees F 30 degrees - 90 degrees F 0 degrees - 70 degrees F All Season

Use mineral based AD oils only after break-in - NO synthetics

1,544,8900

In material and letion date of the Il occur first.

cts in material and

art, component or in PGA unless prior any parts and/or imination.

nent or accessory

sted, stored, es, or subjected to

idor other than PGA

(except to title) old by PGA. ities of

warranty or to # 7716

§ or contingent

| Engine Record General Informa | ation | |
|--------------------------------------|------------------|--------------|
| Manufacturer Continental | Model IO-S | 50-N |
| Serial 689996 | | |
| This engine is currently installed i | | |
| | | я е |
| Minimum Octane Fuel | Oil Grade Summer | Winter |
| Magneto Time | Point Setting | Firing Order |
| Spark Plug Gap | | |
| Manufacturer's Recommended Ove | erhaul athours | |

| EAR 0 | RECORDING TACH | TODAY'S FLIGHT | TOTAL TIME IN | | 6/15/2016 2:07F %l | | | | Poplar Grov Shop Orders — For Shop | | ummary | Alterations Number of |
|---|---|---|---------------------------|-----|---|------------|---|--|--|------------|---|-----------------------|
| ATE | TIME | | SERVICE | | Shop Order # | Close Date | Dsc # | Part Number | Description | Date Wmty? | | cific entries.) |
| MANUFA AD # 86-13-04 88-03-06 91-19-03 93-10-02 96-12-22 99-19-01 00-23-21 04-08-10 10-11-04 12-03-06 12-10-13 14-05-29 | TCM of TCM in TCM in Fuel S | er cylinders er adapter chaft chaft dinders harger fters ervo Diap Adapter or cylinde | hragm rs IC. | ENG | 7716 7716 7716 7716 7716 7716 7716 7716 | 11 | 3,000 2,000 | 10-40012 AB-5907-8 AB-102083 AB-16084 AB-92818-37 AB-102083 AB-16337-4 AB-9278-9 AB-9078-9 AB-908-9 AB- | Plate Oil Stinger Screw Clamp, Coil Clamp, Coil Clamp, Coil Clamp, Coil Screw Bearing Bearing Brush Snap Ring Screw Fell Strip Fell Washer Can Assembly Woodruff Key Gear Kit IMP CAM Screw Bushing Bushing Spring S | SIDECTOTES | 2.00 Each 2.00 Each 2.00 Each 1.00 Each 1.00 Each 2.00 Each 1.00 Each | 7716 5/Jun/2016 |
| | | | | | | | | | | | | |

YEAR RECOFTACH TACH TIME

MAKE Total Time

This engine was did as per the manufar parts list is on file; Installed cam (6) P/N 65808 Motors, Insta D06KA069 aff 646433-9A4, I overhauled by by Continent Supplied scar starter P/N Cimore details.

All applicable alove teach. This sugmen and inspected in acment renformed. It

Poplar Gray

| O | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | | fibop Onter# | | Dag# | Part Humber | Description | Order 7716 Only Action Date Wmly? | Quantity Ur | ethornel. |
|--|--|---|---------------------------|-----|---|----|---|--|--|---|--|-----------|
| AD# 86-13-04 88-03-06 91-19-03 93-10-02 96-12-22 99-19-01 00-23-21 04-08-10 07-16-10 10-11-04 12-03-06 12-10-13 14-05-29 | R3 TCM of TCM of oil filter oil filter oranks cranks ECI cy turboc TCM li Fuel S | cylinders or adapter shaft chaft dinders harger fters ervo Diap Adapter or cylinde | hragm rs ic. | ENC | 7710 7710 7710 7710 7710 7710 7710 7710 | 11 | 2,000 | LO7191 40991 639079 24 A53579 016 658077 658088 658077 658088 658089 SA452398 630898AC 1287-1 658089 SA452398 SA45826-104 SA45281 SA45826-103 SA45826-104 SA464826-105 SA501887 SA5 | Snap Ring Spring Transler Collar Nut Oil Filter Seal Alternator Face Drive G Gaskets Rubber Bumper Screw Spring Screw Cotter Pin Washer Contact Assy Kit Capacitor | 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 5/04/2016 | 1.00 Eac 1.0 | 7716 |

| YEAR | RECORDING | TODAY'S | TOT |
|------|-----------|---------|-----|
| 20 | TACH | FLIGHT | TIN |
| DATE | TIME | | SEF |

MAKE Continent
Total Time 1475.70
This engine was disassembled, cleaned, ine
as per the manufacturer's current overhaul r
parts list is on file at this agency. The follow
Installed camshaft P/N 654084 r
(6) P/N 658088 new from Conti
Motors. Installed magnetos le
D06KA069 after 500 hour insp
646433-9A4, S/N C06JA202 ove
overhauled by Great Planes Fue
by Continental Motors. Return

All applicable alloworthiness directives and re took. This engine was test run in an FAA a and inspected in accordance with current rework performed. Perfinent details of repair a

Supplied scavenge pump P/N (starter P/N C24ST5, S/N 4C5-11 more details.

Poplar Grove Airmotive, Inc

| EAR D ATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Technician or Repair Fa | | | | |
|----------------------|---------------------------|-------------------------|-----------------------------|-----------------------------|--|--|-------|-------------|
| MANUFA | CTURER: | Contir | nental | NGINE MOD: 10-550-1 | S/N | 689996 | WO# | 7716 |
| AD# | DESC | RIPTION | | | ICE STATUS | | 00011 | 7710 |
| 86-13-04 F | R3 TCM o | ylinders | | N/A by ne | w CMI cylii | nders installe | ed | |
| 88-03-06 | TCM o | oil filter | | N/A by filt | | | 11. | |
| 91-19-03 | oil filte | er | | N/A by filt | er P/N | | | |
| 93-10-02 | TCM o | ylinders | | N/A by ne | w CMI cylir | nders installe | ed | <u>-</u> |
| 96-12-22 | oil filte | r adapter | | N/A by en | gine model | | | |
| 99-19-01 | cranks | haft | | N/A by cra | nkshaft S/ | N | | |
| 00-23-21 | cranks | | | N/A by cra | nkshaft S/ | N | | _ |
| 04-08-10 | ECI cy | linders | | N/A by cyl | inder manı | ıfacturer | | |
| 07-16-10 | turboc | • | | N/A by no | STC incorp | ooration | | |
| 10-11-04 | TCM li | | | N/A by P/I | lifter | | | - |
| 12-03-06 | | ervo Diapl | nragm | N/A by mo | del fuel inj | ection | | |
| 12-10-13 | | Adapter | | | n turbo ST0 | | | |
| 14-05-29 | Superi | or cylinder | rs . | N/A by cyl | inder manu | ıfacturer | | |
| Poplar G FAA Appr | irove Airm roved Repa | otive, In ir Statior | c. ı # YYBI | 664L David Mason | 0-1 | Man | Date: | 15/Jun/2016 |
| | | | | | Marie de Marie de la compansión de la comp | | | |
| | | | | | | The second secon | | |
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YEAR RECORDING TODA
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This engine was disassembled, cleas per the manufacturer's current of parts list is on file at this agency. Installed camshaft P/N 6! (6) P/N 658088 new from Motors. Installed magne D06KA069 after 500 hot 646433-9A4, S/N C06JA2 overhauled by Great Plan by Continental Motors. Supplied scavenge pumpetarter P/N C248T5, S/N more details.

All applicable airworthiness directly treak. This engine was test run in a seld inspected in accordance with a seak performent. Perfinent details a

Poplar Grove Airmotiv FAA Approved Repair Station

Inc. Alterations TOTAL Description of Inspections, Tests, Repairs and Alterations YEAR RECORDING TODAY'S TACH FLIGHT TIME IN Entries must be endorsed with Name, Rating and Certificate Number of Number of 20 TIME SERVICE Technician or Repair Facility. (See back pages for other specific entries.) army unas cific entries.) DATE | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 MODEL S/N 689996 10-550-N MAKE Continental **ZERO** T.T. Since Major Overhaul Hours 1475.70 **Total Time** 7716 This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul New tolerances and clearances were maintained. A detailed as per the manufacturer's current overhaul manual X30568A parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook. Installed camshaft P/N 654084 repaired by Aircraft Specialties Services. Installed lifters (6) P/N 658077, and (6) P/N 658088 new from Continental Motors. Installed cylinder kits P/N 658595A2 new from Continental Motors. Installed magnetos left, P/N 10-500556-101, S/N D06KA068, and right, P/N 10-500556-101, S/N D06KA069 after 500 hour inspection performed by Poplar Grove Airmotive. Installed fuel manifold P/N 646433-9A4, S/N C06JA202 overhauled by D&G Supply. Installed fuel pump P/N ETI-SR22-2-11, S/N 026 overhauled by Great Planes Fuel Metering. Installed throttle body P/N R-653353-5A1, S/N A16EA300R rebuilt by Continental Motors. Returned alternator with drive coupling overhauled by Ametek Aero/Drake Air. Supplied scavenge pump P/N CF101633-0031, S/N SP1006053 repaired by Aircraft Accessories. Supplied starter P/N C24ST5, S/N 4C5-151609 new from Sky-Tec. See A.D. Compliance Record and Parts List for more details,-----END-----END-----All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired 1.00 Each and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the 2.00 Each 0.00 Each 5/Jun/2016 work performed. Pertinent details of repair are on file at this repair station under: Work Order # 7716 Date 15/Jun/2016 Poplar Grove Airmotive, Inc. David Mason FAA Approved Repair Station #YYBR664L Signed for Poplar Grove Airmotive, Inc.

| April 5, 2016 N420SE S/N 2293 Continental IO-550-N(42) S/N 689996 Flight Meter: 1145.7 Eng TT: 1145.7 Eng TSMOH: 0.0 Installed engine IO-550-N(42), S/N 689996 following overhaul, See Poplar Grove Airmotive log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine and AD list log entry dated June 16 2016 referencing work order # 7716 for new parts installed on engine installed order for engine for an engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run- Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run- line for AD engine for an engine controls, mounts, fuel and oil lines was o.k. Uses have been inspected in accordance with a 100hr inspection and determined to be in airworthy condition. ——END——— | YEAR 20 DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries | |
|--|--------------------|---|--|---|---|--|
| Terrill Shafer | | N420SE S/N 229 Continental IO-55 Flight Meter: 1145. 1. Installed engine referencing work 2. Engine installed 124F001-6CR00 124J002-6CR02 remaining fuel h 3. Installed propel 4. Both turbocharg P/N 466304-000 Reinstalled mas JKN00105, and FAA form 8130-5. Installed new Ie 7. Installed new Ie 8. Serviced engine 9. Performed a 10 AMM Chapter Ovisual inspection | O-N(42) Si Teng TT: IO-550-N(4 c order # 77 with six ner 080, 124J00 190, 124 | 1145.7 Eng I 2), S/N 689996 16 for new part wisolator moun 12-4CR0080, 12 12-8CR0120, 12 13-124J002-4C0 fed with engine. If following over for overhaul, on R0110 and S/N stegate P/N 470 ontroller P/N 470 ulty 19 2016. All diclamps, P/N's ger lateral supple support bolt Parts Aeroshell 10 ion of engine follule maintenancingine installation | Vector All Alroratt Inspection & Repair Erie, Colorado 80616 is following overhaul, See Poplar Grove Airmotive log entry dated June 16 2016 is installed on engine and AD list log entry dated June 16 2016. Its P/N's 26757-001, all new oil and fuel hoses, P/N's 1ea. 124J003-3CR100, 24J012E0200C0180, 124J001-4CR0080, 124J002-6CR0100, 124J001-8CR0190, 24J003-8CR0226, 124J003-4CR0360, 124J002-4CR0140, 124J002-6CR0100, 226. See Aviall Hose shop TSO Certification sheet dated 07/20/2016. All Installed new induction air filter P/N 33-2022. Installed new induction air filter P/N 33-2022. Installed of the verhauled exchange unit due to missing data plate. Installed JIL00995 turbochargers. See FAA forms 8130-3's dated 19 July 2016. D842-0004, S/N JHN00480, Pressure relief valve P/N 470944-0017, S/N 10688-0005, S/N JKN00497, all overhauled by Approved Turbo Components, See 1 turbo components installed with new gaskets. 11-110023. Dort bracket spacer, P/N ETI-G2-600-129. Do straight mineral oil. Dor annual of N420SE in accordance with FAR 43 appendix D and Cirrus SR22 Descences as a guide, and Tornado alley 50/100 hour inspection items. Dort on the property of | |

RECORDING YEAR TACH 20 TIME DATE

May 2, 2017 N420SE S/N 226 Continental IO-55 Flight Meter: 1164.

Drained engir and new CH4
 Checked con
 Removed and Ops check O.K. ==

Ostober 1 2017 N420SE S/N 2 Continental IO-4 Flight Meter: 120

Ferformed a 1
AMM Chapter
Complied with
classification fuel pur
Visual inspection
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Alterations Number of icific entries.) 16 2016 JR100, -8CR0190. 2R0100. nstalled nents, See 18 SR22 gine. Runengine has

| (6.20) (1.10) (1.10) | | | | |
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| YEAR 20 DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | E |

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.)

May 2, 2017 N420SE S/N 2293 Continental IO-550-N(42) S/N 689996

Flight Meter: 1164.5 Eng TT: 1164.5 Eng TSMOH: 18.2



Erie Municipal Airport 395 Airport Drive Erie, Colorado 80516

Drained engine oil, removed and examined oil filter. No contamination found. Serviced with 8qts Phillips XC20W50 oil and new CH48108-1 oil filter.

Checked compressions after break in. #1 75/80, #2 77/80, #3 78/80, #4 77/80, #5 76/80, #6 77/80

Removed and replaced crank seal P/N 641250

Ops check O.K. -----END-----

Jonathan Carlisle AP3063926IA

October 1 2017 N420SE S/N 2293

Continental IO-550-N(42) S/N 689996

Flight Meter: 1204.5 Eng TT: 1204.5 Eng TSMOH: 58.8



Erie Municipal Airport 395 Airport Drive

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.

2. Complied with Tornado Alley, S108-05 induction filter cleaning, S108-04 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. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Runup/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

| | | A PROPERTY OF | |
|-------------------|--|---|---|
| YEJ 20. DA1 | December 1 2018 N420SE S/N 2293 Continental IO-550-N(42) S/N 689996 Flight Meter: 1239.8 Eng TT: 1239.8 Eng TSMOH: 941 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 75/80 #2 73/80 #3 76/80 #4 72/80 #5 72/80 #6 72/80. 4. Complied with Tornado Alley, \$108-05 induction filter cleaning, \$108-04 heat exchanger inspection, \$808-01 breather discharge tube cleaning, \$808-02 PRV duct inspection, \$809-01 Half stamp exhaust manifold inspection, \$811-02 engine driven fuel pump inspection, \$111-01, inspection of exhaust system slip joints, \$811-04 turbo inlet screen, \$811-03. 5. Installed new left turbocharger heat shield P/N ETI-G3-20-25. 6. Installed new cylinder # 2 fuel injector nozzle line P/N 646422. 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 | YEAR 20 DATE DATE SOFTEMBRISH SOFTEMB | January 10 N420SE S Continents Flight Meter 1. Performe AMM Ch checklist 2. Drained of new CH 3. Performe 4. Compile discharge driven fut support r 5. Compile thru 10 3 AC160 Visual inspe- up/leak che- inspected in |
| | | | |

| and all the | ns | No. ed | |
|--|-----|--|--|
| | of | YEAL | January 10 2020 N420SE S/N 2293 |
| | s.) | #0 DATE | Continental IO-550-N(42) S/N 689996 |
| rus SR22 | | MER I I | Flight Meter: 1240.4 Eng TT: 1252.53 Eng TSMOH: 106.83 |
| and a | | | 1. Performed a 100hr inspection of engine for annual of N420CF in a second in the control of N420CF in a second in the con |
| /50 oil and | | | 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 |
| | | | 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. |
| 8-01 breather | | | 3. Performed cylinder compression test #1 77/80 #2 77/80 #2 77/80 |
| 12-02 engine | - | | |
| -00. | | | driven fuel pump inspection. SI11-01 inspection of events are starting exhaust manifold inspection, SB12-02 engine |
| engine. Run- | | | support rod alignment, SB10-01 alternate air door hinge inspection. 5 Complied with Continental Made air door hinge inspection. |
| ine has been | | | 5. Complied with Continental Motors SB18-08A by relieving radius of exhaust port on cylinder head per section III instructions 1 thru 10. Installed Alodine 1132 on affected areas. Noted cylinders serial numbers, cyl 1 AC16DA975, cyl 2 AC16DA970, cyl 3 AC16DA978, cyl 4 AC16DA979, cyl 5 AC16DA972 and cyl 6 AC16DA977. |
| >_ | | 1000000 | 3 AC16DA978, cyl 4 AC16DA979, cyl 5 AC16DA972 and cyl 6 AC16DA977. |
| | | No. of Contract of | up/leak check o.k. Flushed all oil boses and lines. A list of ADIs mounts, fuel and oil lines was o.k. Wash down engine. Run- |
| | - | | Inspected in accordance with a 100hr inspection and determined to be in airworthy conditionEND |
| (Windows) | | | · Carl D. L. Lall |
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