The Standard

# ENGINE LOG

LEFT ENGINE N500 TU

OIL FILTER
CHAMPION
48110-1

# 1

MODEL SE—2

## ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Continental MODEL 10470 M

SERIAL 94328-4-M-R TYPE CERTIFICATE

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT Cessna N 500 TU

MINIMUM OCTANE FUEL OIL GRADE SUMMER WINTER

MAGNETO TIME POINT SETTING FIRING ORDER

SPARK PLUG GAP

MFG. RECOMMENDED OVERHAUL AT HOURS.

MAG Bendix Rt. S6RN-205 10-163060-1 D1 91998
Lt. S6RN-201 10-163020-3 B1 870443

Left Engine

The Standard

ENGINE LOG

L. ENG.

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | Log books stolen from aircraft after last annual of 3/7/78 Hobbs at 2100 hrs - Annual performed by Lenox Aviation - A&P A&P Cert. at this time 3/7/78 by Lenox Aviation. Arcadia Fla - |
| | | | | |
| | | | | Acft from Hobbs 2215.7 hrs |
| 9/6/79 | | | | TT 5MOH 806.4 Hrs - (Eng) |
| | | | | TT hrs. on engine 1401.4 hrs - |

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS<br>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | Date 9/6/79 T.T. (L) 1401.4 (S) SMOH 8064 (B 4th K) |
| | | | | I certify that this AC/Eng. has been |
| | | | | inspected in accordance with a 100 HR |
| | | | | inspection & has been found airworthy. |
| | | | | Sig. Barton M. Hess |
| | | | | Cert. # A+P 1863266 J |
| | | | | |
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| | | | | |
| | | | | |
| | | | | Date 9/6/79 T.T. (L) 1108 (S) 2215.7 |
| | | | | I certify that this AC/Eng. has been |
| | | | | inspected in accordance with a Annual |
| | | | | inspection & has been found airworthy. |
| | | | | Sig. James Carter |
| | | | | Cert. # FA 1184456 |
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| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | |
| | | | | Total Time 23617 Date 2-16-82 |
| | | | | I certify that this Eng. has been inspected |
| | | | | in accordance with a Annual in- |
| | | | | spection and was determined to be in air- |
| | | | | worthy condition. |
| | | | | HL Carson FA646116 |
| | | | | Mechanics Signature |
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LEFT

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | (TIMES PER LENNOX FLT. SCHOOL LETTER DATED 1-2-83) |
| MARCH 4, 1983 | | | Hobbs: 2442.0 | 1092: SMOH 1567: TOTAL TIME |
| | | | | CHANGED OIL CHECK SCREEN - REPLACE GENERATOR BELT |
| | | | | AND NESS SCAT DUCTING AS REQUIRED - COMP. CHECKED |
| | | | | AS FOLLOWS #1. 70/80 #2 70/80 #3 70/80 #4 70/80 #5 70/80 #6 70/80 |
| | | | | AD'S THRU 83-06 checked ~~FOR~~ SEE LIST BACK OF LOGS - |
| | | | | ON FILE MORATT ISL. AIR SERVICE FUN. w/o 1218 |
| | | | | W.D. Perry AP 202 11 2094 |

I certify that this ENGINE has been inspected in accordance with a 100 Hr. inspection and was determined to be in an Airworthy Condition.

Total Time 1562.0 Hobbs Tach Time 2442.0

W.D. Perry AP 2021120941 3-4-83

Authorized Signature License No. Date

I certify that this ENGINE has been inspected in accordance with a ANNUAL/100 Hr. inspection and was determined to be in an Airworthy Condition.

Total Time 1567.0 HOBBS Tach Time 2442.0

[illegible] IA 900153 MARCH 4, 1983

Authorized Signature License No. Date

JH

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS (ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 9-5-84 | | HOBBS | 2520.0 | CHANGED OIL, SERVICED WITH 12 QTS. |
| | | | | AEROSHELL 50 WT. OIL, INSPECTED AND CLEANED OIL |
| | | | | SCREEN, DEGREASED ENGINE Thomas C. Pullen |
| | | | | AP498689292 |
| 9-5-84 | | INSTALLED | | OVERHAULED ENGINE FUEL PUMP |
| | | PN 638156-3A6 | | SN 3743RA TEST RUN O.K. |
| | | McE.A.S | W/O | 1820 W.D. Penny AP2621120 94 |
| 10-13-84 | 2537.0 | Hobbs- | | GENERATOR REPAIRED BY ACE ELECT (MLB) |
| | | | | SEE TAG - (NEW REGULATOR SEE A.F. LOG) |
| | | | | CHECKED O.K. - REPAIRED TACH GEN. |
| | | | | WIRE. W.D. Penny AP2621120 94 |
| 10-24-84 | 2540.0 | Hobbs | - | 1130.7 SOH - 1725.7 TT ENG. (SEE A/C LOG) |
| | | INSTALLED | | REPAIRED GENERATOR & SECURED CONNECTIONS. |
| | | REPAIRED | | TACH. GEN. WIRE. W/O 1857 W.D. Penny |
| | | | | AP2621120 94. |

(LH ENG.)

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 2 JAN 85 | HM 2547.2 | TSOH | 1137.9 | INST. NEW LORD MOUNTS (BOTH OUTBD & AFT INBD). REMOVED #3 & #5 CYL & SENT TO AEROWELDING FOR EXH FLANGE REPAIR & TO CERTIFIED ENGINES FOR INST. NEW EXH VALVES AND GRINDING VALVES & REPLACED EXH. STUDS AS REQ. IN ALL CYLS. INST. NEW INBD. EXH WASTEGATE VALVE & CONTROL CABLE. REPAIRED OR REPLACED EXH. PIPES AS REQ. INST. NEW SENSE LINE TO FUEL PUMP. INST. NEW FLEX LINE (DUCT) FROM THROTTLE BODY TO INDUCT. BOX. INST. NEW FITTING ON PRESS (OIL) TO TURBO AND CLEANED SUPPLY LINE & VALVE TO TURBO. INST. NEW BALANCE TUBE |

A list of discrepancies was supplied to owner/pilot. The results of this inspection are entered on No. 2359

Signed

HANGAR ONE, INC.
BLDG. 147, OPA LOCKA AIRPORT
OPA LOCKA, FLORIDA 33054
F.A.A. CERT. REPAIR STATION 705-74

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work order No. 2359 Date 2 JAN 85

Signed James M. Holmes
SIGNATURE OF AUTHORIZED REPRESENTATIVE FOR

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | 3-22-85 | | TT 2588 HOBBS 10 |
| | | | | CHANGED OIL + FILTER SERVICED WITH 12 QTS |
| | | | | 20W50 Phillips OIL. INSTALLED NEW CH45103 |
| | | | | OIL FILTER. GROUND RUN NO LEAKS EVIDENT |
| | | | | [signature] QBS161-16 |

NOT USED

NOT USED

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| DATE 4/12/85 | A/C TOTAL TIME 2594.7 | HOBBS 16.6 | | |
| ENGINE TOTAL TIME 1779.7 | TSMOH 1185.4 | | | $M^a$ 4/65 $M^a$ 4/63 |
| 1) DIFFERENTIAL AIR TEST RESULTS 1. 69/80 2. 74/80 3. 64/80 4. 72/80 5. ##/80 6. ##/80 | | | | |
| 2) REMOVED, CLEANED, INSPECTED & REINSTALLED INDUCTION WIRE MESH AIR FILTERS | | | | |
| 3) INSPECTED & LUBRICATED ALL POWERPLANT CONTROLS IAW 100 HOUR INSPECTION REQUIREMENTS | | | | |
| 4) REMOVED, REPAIRED, REINSTALLED OIL COOLER BAFFLE | | | | |
| 5) REMOVED & REPLACED L/H GENERATOR DRIVE BELT | | | | |
| 6) REMOVED, CLEANED, INSPECTED & REINSTALLED TURBO OIL FILTERS & ONE WAY CHECK VALVE ASSY | | | | |
| 7) REMOVED, CLEANED, INSPECTED, GAPPED, TESTED & RE INSTALLED ENGINE SPARK PLUGS | | | | |
| 8) RE TORQUED L/H INBOARD EXHAUST SYSTEM CLAMP | | | | |
| 9) REPAIRED WIRING ON ENGINE COWL FLAP ACTUATOR MOTOR | | | | |
| 10) ALL LINES HOSES DUCTING ACCESSORIES & EQUIPMENT INSPECTED IAW 100 HOUR INSPECTION REQUIREMENTS | | | | |
| CONTINUED NEXT PAGE | | | | |

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | 11) MAGNETOS INSPECTED, TIMED, AND ADJUSTED |
| | | | | 12) POWERPLANT CLEANED, & GROUND RUN COMPLIED WITH, NO DEFECTS NOTED |
| | | | | 13. AD'S CHECKED NONE DUE AT THIS TIME |
| | | | | NEXT RECURING AD'S & DATE OR TIME DUE |
| | | | | 81-19-04 RAY-JAY TURBO'S DUE 4/89 OR UPON CONDITION |
| | | | | 68-19-04 PROPELLER CRACKS DUE AIRCRAFT TOTAL TIME 3100.0 |
| | | | | 14. TURBO CHARGER INOP WASTE GATE ACTUATOR MOTOR INOP WASTE GATES POSITIONED & SECURED IN "NO BOOST" POSITION AND INSTRUMENT PANEL PLACCARDED "TURBO CHARGERS INOPERATIVE DO NOT USE UNTIL ACTUATOR MOTOR IS REPAIRED & WASTE GATES ARE ADJUSTED |
| | | | | 15) ALL MAINTENANCE DONE IAW POWERPLANT MAINTENANCE MANUAL, SERVICE LETTERS SERVICE BULLETINS, AND/OR SERVICE INSTRUCTIONS |
| | | | | 16) ALL MAINTENANCE [redacted] PERTINANT DETAILS ON FILE AT MERRIT ISLAND AIR SERVICE UNDER WO# 2005 |
| | | | | SEE NEXT PAGE |

| DATE 1985 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | I hereby certify that this POWERPLANT has been inspected in accordance with a 100HR/ANNUAL Hr. inspection and was determined to be in an Airworthy Condition. |
| | | | | Total Time 1179.9 TSMOH 1185.4 Tach Time |
| | | | | IA 394605553 4/12/85 |
| | | | | Authorized Signature License No. Date |
| | | | | Nothing Follows |
| 6-14 | TACH: | HOBBS 0020.5 | | REMOVED WASTEGATE ACT. REPLACED WIRING HARNESS & RE-INSTALLED |
| | | | | Tom Nally A&P 404-48-6748 |
| 5-3-86 | Hobbs | 29.7 | Eng TT | 93.3 SMOH 1199.0 Drained oil Checked Screen, and serviced 12qts Phillips XC 20W-50. Washed Engine Removed, Cleaned, Tested, Rotated |

NOT USED

NOT USED

| DATE 1986 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 5-3 | | | | and Reinstalled Spark plug. Retimed |
| | | | | Magnetos To 20° BTC. Replaced |
| | | | | EGT Probe. Compression Test |
| | | | | #1-74, #2-82, #3-78, #4-72, #5-78 and |
| | | | | #6-68 All over 80 PSI. AD 85-08-02 |
| | | | | Cw By visually checking cylinder PN's |
| | | | | AD is not applicable |
| | | | | Date 5-3-86 ~~Tach~~ Time 29.9 |
| | | | | I CERTIFY THAT THIS ~~AIRCRAFT~~/ENGINE |
| | | | | HAS BEEN INSPECTED IN ACCORDANCE WITH A |
| | | | | ~~100 HOUR~~/ANNUAL INSPECTION AND FOUND |
| | | | | TO BE IN AIRWORTHY CONDITION. |
| | | | | GATEWAY AVIATION, INC. |
| | | | | TITUSVILLE, FL 32780 |
| | | | | Wesley R. Bell IA & A&P 127288430 |
| | | | | |
| 6 MAY 86 | HOBBS 00 | 29.9 | TT 1793.5 | SMOH 1199.2 LT. ENGINE ADJUSTED BOTH |
| | | | | TURBO CHARGER WASTE GATES. REPLACED ALL SEALS ON AIR |
| | | | | REFERENCE FUEL INJECTOR SHROUD ASSY'S. ACFT. FLOWN |
| | | | | LT. TURBOCHARGER OPS CHECK O.K. PER RAJAY MANUAL |
| | | | | Gilbert D. Wood A&P 262642153 |

LEFT

| DATE 1987 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 1-2 | Hobbs | 35.1 | TT 1798.7 | SMOH 1204.4 Repaired melted Reference Line on four of six fuel nozzles. Wesley A Bellis A&P #1232888 |
| 6-30 | Hobbs | 32.2 | TT 1800.8 | SMOH 1206.5 Drained oil, checked screen, and serviced 12 qts Aeroshell 100 mineral oil. Removed, Cleaned, Tested, Rotated, and Reinstalled spark plugs. #1 and 2 cylinders removed, Repaired, and Reinstalled. Cylinder installed using new seals, gaskets and locking devices. Compression Test #1-70, #2-70, #3-64, #4-68, #5-72 and #6-60 Allowable 80 PSI |
| | | | | Date 6-30-87 Tach Time 32.2 |
| | | | | I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. GATEWAY AVIATION, INC. TITUSVILLE, FL 32780 |
| | | | | Wesley A Bellis A&P #1232888 |

LEFT N 500TU

| DATE 1988 | RECORDING ~~TACH~~ TIME (Hobbs) | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 6-17 | 45.4 | | | Removed LT AFT Exhaust Riser, Had Repaired and Reinstalled. Wesley A Bellis A+P #1232884430 |
| 6-30 | 45.4 | | 1809.0 | SMOH 1214.7 Drained oil, Checked Screen and Serviced 12 qt Aeroshell 100 mineral oil. Removed, Cleaned, Tested, Rotated and Reinstalled spark plugs. ADBB-83-06 Amend 39-5888 Prevent Loss of Engine oil NA No Filter Installed Compression Test #1-74, #2-74, #3-74 #4-73, #5-74 and #6-68 All over 80 PSE |
| | | | | Date 6-30-88 Tach Time 45.4 I CERTIFY THAT THIS ~~AIRCRAFT~~/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/~~ANNUAL~~ INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. GATEWAY AVIATION, INC. TITUSVILLE, FL 32780 Wesley A Bellis A+P #1232884430 |

LEFT N 500 TU 2633 TAT

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 3-9-89 | R 55.0 | | | METER. CHANGED OIL SHELL |
| | | | | 15W50. INSTALLED FULL FLOW OIL FILTER SBL 337 |
| | | | | DATED 2-8-89. DIP CHECK NORMAL. CHECKED MAG |
| | | | | TIMING. CLEANED + ADJUSTED L. MAG POINTS, CLEANED + |
| | | | | GAPPED ROTATED SP. PLUGS. CHANGED BOTH GENERATOR PULLEYS |
| | | | | + BELT. CHANGED SUPPORT BRACKETS + RUBBER MOUNTS |
| | | | | + BUSHINGS. GENERATOR OVER HAULED AT PIERCE R/S 363-8. |
| | | | | CHANGED ALL ROCKER COVER GASKETS. REPLACED # 2 CYL |
| | | | | INTAKE HOSE. REPLACED SCAT HOSE |
| | | | | FOR FUEL CONTROL UNIT. REPLACED |
| | | | | OIL HOSE BAFFLE RUBBER, CLEANED |
| | | | | + CHECKED TURBO OIL FILTERS. REPLACED |
| | | | | OIL PRESSURE HOSE BETWEEN TURBO OIL |
| | | | | FILTER + INB. TURBO. CHANGED "T" |
| | | | | FITTING AT INBOARD TURBO. |
| | | | | REPLACED TURBO INTAKE DUCT. |
| | | | | ~~REPLACED ONE FUEL INJECTOR HOSE.~~ RT. ENG. (2ND) |
| | | RNG | | REPLACED VENT HOSE ART OF FWD BAFFLE (CON) |

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection, and was determined to be in Airworthy Condition.

MECHANIC [signature]

A&P 1370645

HALL AVIATION INC.
PONTIAC AIRPORT PONTIAC, MICH.

Time In Service 1224.3 SMOH

Date of Inspection 3-9-89

HOBBS + 1763.6 = TOT HOBBS + 1169.3 = SMOH

LEFT ENG N.. 500 TU,

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 4-21-89 | | (CON) | | REMOVED OIL PRESSURE RELIEF VALVE, CLEANED, POLISHED & REINSTALLED. REPLACED GASKET BETWEEN SCAVENGE PUMP & HYD PUMP, & CHANGED ONE FITTING. REMOVED & 2 CYLINDER CHANGED BASE "O" RING & REINSTALLED, RESEALING OIL FITTING ON RT TURBO CHARGER. A.P. 1370645 |
| | | | | CLAMPS AS NECESSARY ON ~~[illegible]~~ |
| 7-22-89 | | @ 88.1 | | REPLACED ~~CLAMPS AS NECESSARY ON~~ (JK) EXHAUST STACKS. HAD LEFT RET SECTION WELDED AT MICH AVIATION R/S 3042. REINSTALLED & TEST RUN. REMOVED TAIL PIPES LUBED & CHECKED TURBO'S, REINSTALLED & TEST RUN. A.P. 1370645 |
| 8-9-89 | | @ 89.0 | | CHANGED FIVE HOSES NECESSARY TO COMPLY WITH AD 81-19-04 & SL #28. REPLACED GEN. NOISE FILTER. A.P. 1370645 |

LEFT IN 500TU

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 9-19-89 JH | R 95.5 | 1.1 | | REMOVED RIGHT MAG., REMOVED INJECTOR NOZZLES, OVERHAULED AT REPAIRED W/C. REINSTALLED TEST & ADJUSTED INJECTOR PUMP + IDLE RPM. [illegible] 1320645 |
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REMOVED AT 1320645

LEFT ENG. N 500TU

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 1-15-90 | 103.2 | | | CHANGED OIL + FILTER. - INSPECTED OLD FILTER. MOBIL #1, 20W50 E.R. Johnson |
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LEFT N 500 TV

| DATE 19 90 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 4-16-90 | 108 MTR. | | | 100 HR + ANNUAL INSPECTION |
| | DIFF CK. | NORMAL | | 1 60/80 2 70/80 3 75/80 4 68/80 5 77/80 6 65/80 |
| | CLEANED | GAPPED + ROTATED | | SPARK PLUGS. REPACKED |
| | PUSH ROD | HOUSING | | SEALS ON EXH VALVE PUSH ROD |
| | HOUSING #5 CYL. | | | TIGHTENED GEN BELT. CHECKED |
| | MAG | TIMING. | | ROUTINE VISUAL INSPECTION + |
| | LUBRICATION. | | | |
| | | | | |
| | | | | |
| | | | | |
| 5-30-90 | 118.8 | | SRA | 3 PG'S LATER ON |
| 6-27-90 | 133.6 | | " | " " |
| | | | | |
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I certify that this ENGINE has been inspected in accordance with a 100 HR inspection, and was determined to be in Airworthy Condition.

MECHANIC [signature]

A&P 1370645

HALL AVIATION INC.
PONTIAC AIRPORT PONTIAC, MICH.

Time In Service 108 MTR

Date of Inspection 4-16-90

MM - HOBBS + 1169.3 = SMOH.

REMOVED AT 1370645

HRFT N 500TD

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 7-14-90 | | | 138. | CHANGED #1 & 3 ROCKER COVER GASKETS. REPLACED CANNON PLUG ON THERM GEN. REPLACED SPARK ON # EXH. PUSH ROD HOUSING TUBE ON #3 CYL. CHANGED TURBO OIL PRESS SWITCH. Gerald D. Hall A&P 1370645 |
| ~~5-30-90 & 6-27-90~~ | | | ~~SRK~~ | ~~3 PAGES LATER (JH) JH~~ |
| 11-30-90 | | | 210. | CHANGED FUEL PRESSURE HOSE. Gerald D. Hall A&P 1370645 |
| 12-20-90 | | | 215.9 | CHANGED OIL FILTER. GENERATOR BRUSHES R/S SEC. 8. RINSTALLED Gerald D. H A&P 1370645 |
| | | | | SRK 2 PAGES LATER (JH) |

I certify that this _____ has been inspected in accordance with a _____ inspection, and was found to be in Airworthy Condition.

MECHANIC _____

A & P _____

HALL AVIATION INC.
FORTUNE AIRPORT FORTUNE, MICH

Time in Service _____

Date of Inspection _____

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 3-13-91. | | 2 | 281 | DRAINED OIL CHANGED OIL FILTER, CUT OPEN |
| | + INSPECTED | | | OLD FILTER. OWNER PUT IN |
| | MOBIL 1 | | A/C | OIL Gerald Tibbel |
| | | | | A&P 1370645 |
| | | | 5KK | NEXT PAGE |

LKPT N500 TU

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 5-30-90. | | HOBBS | 118.8 | RETORQUED ALL MANIFOLD EXH |
| | | CLAMPS. | | [illegible] P3623889GD |
| | | | | |
| 6-27-90. | | HOBBS | 133.6 | CHANGED GASKETS ON TURBO |
| | OUTLET TO | | | THE PIPES. CLEANED TURBO |
| | OIL | FILTER. | | [illegible] |
| | | | | Gerald D. Hall 1370645 |
| | | | | |
| 12-20-90 @ | | HOBBS | 215.9. | CHANGED OIL FILTER. CUT OPEN + |
| INSPECTED | OLD | | | FILTER. CON RHOADES |
| AT PIPES | | | | Gerald D. Hall 1370645 |
| | | | | |
| 3-13-91 @ | | HOBBS | 281 | DRAINED OIL |
| | | | | CHANGED OIL FILTER CUT OPEN |
| + INSPECTED | OLD | | | FILTER. OWNER PUT IN MOBIL |
| 1 20W50 | OIL, | | | |
| | | | | Gerald D. Hall 1370645 |

L. ENGINE N 5007U

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 5-9-91 | @ 332.4 | | | MM - 1491.7 SMOH 100 HR & ANNUAL INSPECTION. DIFFCR. NORMAL 1 60/80 2 75/80 3 75/80 4 75/80 5 65/80 6 75/80. CHECKED MAG TIMING. CLEANED GAPED & ROTATED SP. PLUGS. REPLACED GEN BELT. REPLACED INDUCTION AIR FILTER. CHANGED OIL CAP. |

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection, and was determined to be in Airworthy Condition.

MECHANIC [signature]

A&P 1320645 A1

**HALL AVIATION INC.**
PONTIAC AIRPORT PONTIAC, MICH.

Time In Service 332.4 MT

Date of Inspection 5-9-91

MM + 1469.3 SMOH

ENGINE N [illegible] A&P 1320645

LEFT ENGINE N 500 TU

| DATE 19 91 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 9/30 | 458.) | | | CHANGED OIL FILTER. CUT OPEN AND INSPECTED OLD FILTER NO DEFECTS. REMOVED CLEANED + REINSTALLED TURBO CHARGER OIL FILTER. REMOVED STARTER ADAPTER. UNIT OVERHAULED AT MICHIGAN AVIATION CO. RS 3042. REINSTALLED AND TESTED |
| | | | | [illegible] P36238896D |

I certify that this _____ has been inspected in accordance with a _____ inspection, and was determined to be in Airworthy Condition.

MECHANIC _____

A&P _____

HALL AVIATION INC.
PONTIAC AIRPORT PONTIAC, MICH.

Time in Service _____

Date of Inspection _____

LRPT RNG LOG 5000TU

| DATE 1992 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 4/15 | 487.8 | | | CHANGED OIL + OIL FILTER |
| | | CUT OPEN + INSPECTED OIL FILTER. | | |
| | | CLEANED TURBO OIL FILTER. SERVICED | | |
| | | WITH 11 QTS MOBIL 1 REPAIRED OIL | | |
| | | LEAK AT R'BOARD TURBO OIL INLET | | |
| | | FITTING. ~~PN E~~ P36938960 | | |
| | | | | |
| 5/9 | 497 | | | CHANGED O'RING ON STARTER. |
| | | CLEANED + TEST RUN. | | |
| | | | | Scott Hall A&P 1370645 |

Scott Hall A&P 1370645

LHRT ENG. N500 TU

| DATE 19 92 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 6/22 | 501 | | 1670.3 | 5404. CLEANED GARB & REMOVED |
| | SPARK | PLUGS | | CHECKED MAGNETO TIMING, |
| | ROUTINE | VISUAL | | INSP. & LUBRICATION. |

I certify that this ENG. has been inspected in accordance with a 100 HR inspection, and was determined to be in Airworthy Condition.

MECHANIC [signature]

A&P 1320645

HALL AVIATION INC.
PONTIAC AIRPORT PONTIAC, MICH.

Time In Service 1670.3 5404

Date of Inspection 6-22-92

MM + 1169.3 = 5404.

L. NO. N500TU.

| DATE 19 92 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 7/16 | 506.2 | | | REPLACED LEFT OUT BOARD TURBO |
| | | HOUSING. | | REINSTALLED TURBO WITH NEW |
| | | GASKET | | FOR HOUSING. TEST RUN + |
| | | CHECKED | | OPERATION. M Eitman P362388960 |
| | | | | |
| 8/1 | 517.8 | | | CHECK. TIGHTENED OIL COOLER BOLTS, |
| | | REPLACED | | OIL FILLER ADAPTER GASKET. |
| | | REPLACED | | CRANKCASE BREATHER HOSE. |
| | | | | M Eitman P362388960 |
| | | | | |
| 8/24 | 542 | | | CLEANED TURBOCHARGED OIL FILTER |
| | | | | M Eitman P362388960 |
| | | | | |
| 8/30 | 559 | | | CLEANED TURBO OIL FILTER. |
| | | | | M Eitman P362388960 |
| | | | | |
| 12/23 | @ 569 | | | REMOVED RAY JAY TURBOCHARGER OIL FILTER SIDE |
| FILTER FROM GARRETT | | | | PARTS 12-21-92 + 337 DATED 12-23-92 |
| | | | | Gerald D. Vla A&P 1370648 |

LT ENGINE N 500 TV

| DATE 19 93 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 3/15 | 585. | | | CHANGED OIL MOBIL I |
| | REMOVED | | | CUT OPEN + INSP'D OIL FILTERS |
| | NO DEBRIS. | | | INSTALLED NEW CH48110 FILTERS |
| | [illegible] | | | P3623889U |
| 6/15 | 587. | | 1756.3 SMOH | 100 HR INSP. PER ROCKWELL |
| | INSP. FAN. | | | DIFF CHECK NORMAL, CLEANED CAPS |
| | + ROTATED | | | SP. PLUGS. CHECKED MAG TIMING. |
| | ROUTINE | | | VISUAL INSPECTION |
| | + LUBRICATION. | | | CLEANED |
| | FLOW CK'D | | | + REINSTALLED |
| | INJECTORS | | | NOZZLES. |

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection, and was determined to be in Airworthy Condition.

MECHANIC [illegible]

A & P [illegible]

HALL AVIATION INC.
PONTIAC AIRPORT PONTIAC, MICH.

Time In Service 1756.3 SMOH 587 MM

Date of Inspection 6-15-93

MM 1293.69.3 = SMOH

LT. RNG N, 5007U

| ATIONS NUMBER OF IC ENTRIES.) | DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|---|
| I | 8-16-94 | @ | 668.8. | | MAINT MECH. RICHARD INGRAM |
| RS | | FOR | OVER | HAUL. | PY Exhaust P/N 623388960 |
| LTRS | | | | | |
| | | | | | |
| | | | | | |
| ockwise | | | | | |
| CARD | | | | | |
| | | | | | |
| L | | | | | |
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| | | | | | |
| | | | | | |
| 587 MM | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Hobbs Time 668.8. TSMOH 1838.1.
This basic engine assembly meets all the requirements for major overhaul. Returned engine to Hall Aviation for installation of accessories & baffling, installation in aircraft, run-in per manufacturer's specifications and return to service.
The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return for service at this time. Pertinent details of the repair are on file at this repair station under work order 10755 dated 11/26/94.

Signed D. D. Blumenschein for Repair Station PB2R077L
Ly-Con Aviation Inc. 3540 W Grand River, Howell, Michigan 48843 517-546-6655

| QTY | ITEM NUMBER | DESCRIPTION |
|---|---|---|
| 1 | SA536092A6 | GASKET SET |
| 1 | SA641250 | CRANKSHAFT SEAL |
| 8 | SA350998 | CRANKSHAFT BLADE BUSHING |
| 4 | 639195 | COUNTERWEIGHT |
| 8 | SA630261-35 | COUNTERWEIGHT ROLLER |
| 16 | SA643629 | COUNTERWEIGHT PLATE |
| 16 | SA629104 | COUNTERWEIGHT SNAP RING |
| 12 | SA530383 | CONNECTING ROD BEARING |
| 12 | SA626140 | CONNECTING ROD NUT |
| 12 | MS24665-229 | COTTER PIN |
| 12 | SA35972 | CONNECTING ROD BOLT |
| 1 | SA646591A1 | MAIN BEARING SET |
| 12 | SA628488 | HYDRAULIC VALVE LIFTER |
| 1 | MS35756-8 | WOODRUFF KEY |
| 6 | SA648029 | PISTON |
| 6 | SA539467 | PISTON PIN |
| 1 | SA4701A2 | RING SET |
| 6 | 646985 | INTAKE GUIDE SEAL |
| 24 | SA24802 | VALVE KEEPER |
| 6 | SA643873 | EXHAUST VALVE |
| 12 | SA652984 | ROCKER SHAFT |
| 12 | MS90725-12 | BOLT |
| 12 | SA652947 | WASHER |
| 6 | 652130 | ROCKER ARM |
| 6 | SA629117-1 | ROTO COIL |
| 1 | SA539800M15 | STARTER ADAPTER SPRING |
| 1 | SA534685 | STARTER ADAPTER BEARING |
| 1 | SAX13041 | STARTER ADAPTER BEARING |
| 1 | 501867 | LOCK TAB |
| 4 | SA638172 | MAGNETO DRIVE CUSHION |
| 5 | 530658 | CONNECTING ROD BUSHING |
| 6 | IO-470 | CERMI-NIL CYLINDER |
| 1 | A36121U/S | CONNECTING ROD & CAP |
| 2 | SA641361 | SEAL RETAINER PLATE |
| 12 | SA639629 | ROCKER ARM BUSHING |
| 1 | CCA1419 | QUICK DRAIN SEAL |
| 1 | IO-470 | RECOND. CRANKCASE |
| 1 | 535661 | RECOND. CAMSHAFT |

DATE 19___

RECORDING TACH TIME

TODAYS FLIGHT

TOTAL TIME IN SERVICE

**DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS**
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|

LEFT ENGINE: #N 500TU Model: 500A Date: 12-23-94
Hobbs time 668.8 Total time 3239.5 TSMOH -0- Hours; Prop TSMOH 741.8

Installed engine I0470M. s/n 94328-4-M R. left position. Replaced engine lord mounts. Replaced all turbo charger oil hoses. Replaced fuel & oil hoses on engine. Fuel injection system overhauled by Approved Aircraft Accessories. Cleaned fuel injector nozzles. magnetos from right engine s/n 778021R & s/n P13110 installed as removed with new harness. Starter. generator. tach generator. prop governor & prop installed as removed. Both turbos overhauled by Statesvill Aerotech Services. Inc.. Exhaust risers repaired by Aircraft Exhaust Systems. replaced rod ends at fuel servo for throttle & mixture. Re-rigged throttle. mixture & prop controls. Serviced with Aeroshell 80 mineral oil & new filter. Ran engine & adjusted fuel pressure at idle and full throttle rpm. ---END---

12-23-94 Date 668.8 HOBBS ~~Tach~~. I certify that this ENG AND PROP has been inspected in accordance with an ANNUAL inspection and is determined to be in Airworthy Condition.
THOMAS CARR 1A2236269 Thomas Carr

Hall Aviation, Inc.
Oakland-Pontiac Airport
WATERFORD, MI 48327

535661

LEFT N500 TU

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 12-7-95 | HOURS | TIME | 687.7 | TOTAL TIME ENG 3258.4 |
| TSMOH 18.9 | | TSPOH 760.7 | | DRAINED OIL PULLED AND |
| INSPECTED FILTER, SERVICED WITH AEROSHELL 80 MINERAL | | | | |
| COMP TEST #1 72 #2 69 #3 72 #4 76 #5 72 #6 76 | | | | |
| DRESSED PROP BLADES ADJUSTED ENGINE IDLE END | | | | |
| | | | | 12-7-95 Date 687.7 HOURS ~~Tach~~. I certify that |
| | | | | this ENGINE AND PROP has been inspected |
| | | | | in accordance with an ANNUAL |
| | | | | inspection and is determined to be in Airworthy |
| | | | | Condition. |
| | | | | THOMAS CARR TA2236269 Thomas Carr |
| 9/26/96 | HM 0916.9 | | | Drained oil, Serviced w/11qts of AK 40wt |
| | | | | Installed new CH48110 oil filter. Removed inbd turbo |
| | | | | Repaired mount flange by welding and reinstalled. Engine |
| | | | | ground run leak ck Satisfactory Ops ck Satisfactory |
| | | | | Ref. WO# 23764 DKC GNER387E |

Hall Aviation, Inc.
Oakland-Pontiac Airport
WATERFORD, MI 48327

International Aviation – SAF
FAA APPROVED REPAIR STATION
NO. GNER-387E
RT. 20 BOX 180D
SANTA FE, NM 87501

| DATE 1997 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 1-30-97 | Hobbs | 725.0 | TSMOH | 56.20 TT 1235.0 Completed 100hr inspection |
| | | | | this date using International Aviation checklist |
| | | | | as a guide. Cleaned gaged and tested spark plugs |
| | | | | Cleaned fuel injectors. Cleaned air filter checked |
| | | | | timing. Researched ADs thru issue 97-02. AD 96-12-07 |
| | | | | does not apply, not equipped with impulse couplings. |
| | | | | Complied with AD 91-19-04 - no defects noted. Next |
| | | | | due at next annual. Complied with AD 96-12-22 |
| | | | | no defects noted. Due again at next 100hr or |
| | | | | oilchange. Cleaned engine and ground run. - |
| | | | | ops check good. |
| | | | | I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. |
| | | | | International Aviation - SAF<br>FAA APPROVED REPAIR STATION<br>NO. GNER-387E<br>RT. 20 BOX 180D<br>SANTA FE, NM 87501 |
| | | | | DATE 1-30-97 T.T. 1235 TACH 56.2 |
| | | | | SIGNATURE [signature] |
| | | | | Ref wo# 24003 |
| | | | | CERT.# GNER-387E |

COMPRESSION CHECK

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 73 | 74 | 74 | 73 | 75 | 74 |
| 80 | 80 | 80 | 80 | 80 | 80 |

2 ENG.

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 2-20-97 | Hobbs | 736 | | Changed oil 11 qts Aeroshell W80 changed oil |
| | T.T.E | 3306.7 | | filter, Run tock for leaks ok -END- |
| | TSMOH | 67. | 2 | C/W AD 96-12-22 A&P 255792 32 |
| 11-21-97 | Hobbs | 779. | 3 | CHANGED OIL 11 QT. AEROSHELL W 80 |
| | T.T.E. | 3340. | 0 | CHAGED OIL FILTER, CHAMP48110 |
| | TSMOH | 110. | 5 | C.W.AD 96-12-22 END. BY INSPECTION ONLY |
| | TSPOH | 852. | 3 | RUN TOCK LEAKS OK. [signature] 112509523 A&P |
| | | | | |
| 4-2-98 | T.S.M.O.H. | | 144.5 | INSPECTED ENGINE, COMPRESSION CHECK: |
| | #1 | 79/80, | #2 | 77/80, #3 72/80, #4 76/80, #5, 79/80, #6 77/80 |
| | | | | NO OIL OR FILTER CHANGE AT THIS TIME |
| | | | | C/W AD 81-19-04 HOSES, CHECKED O.K., |
| | | | | C/W AD 76-07-12 BENDIX IGN SWITCH, MAGS |
| | | | | CHECKED O.K. CLEANED, GAPPED, CHECKED |
| | | | | SPARK PLUGS, LUBED + CLEANED ALL |
| | | | | CONTROLS + CABLES, DID ENGINE RUN-UP, |
| | | | | CHECKED O.K. NO LEAKS. I CERTIFY THAT |
| | | | | ENGINE HAS BEEN INSPECTED I.A.W. 100 HR. |

LEFT

| DATE 19 96 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 4-3 | T.S.N.O.H | | 144.5 | INSPECTION AND HAS BEEN FOUND AIRWORTHY |
| | | | | AT THIS TIME [illegible], A&P 320584103 |
| 6/26/98 | | 782.9 | | Change oil 11qt AeroShell 100 - changed oil filter. |
| 6/26/98 | TACH | 782.9 | | C.W. 96-12-22 ON OIL FILTER |
| | | | | ADAPTER NUT. [illegible] 112509523 A&P |
| | | | | |
| 10/7/98 | | 817.4 | | OIL CHANGE 11qt Aeroshell 80 - CHG OIL FILTER |
| | | | | [illegible] 1906576 |
| 10-21-98 | | 817.4 | | C.W. AD 96-12-22 on oil Filter adaptor |
| | | | | John Arnold 585144634 P |
| 2-24-99 | | 844.7 | | C.W AD 96-12-22 on oil filter |
| | | | | ADAPTOR ck ok [illegible] A&P 615449122 |
| 2-24-99 | | 844.7 | | OIL CHANGE 11 QT AEROSHELL 80W - CHG FILTER CHAMPION - - - 10 |
| 2-17-99 | | | | CHANGE BOTTOM SPARK PLUGS W/RH B 32S |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| DATE 1999 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 6-2 | | | | |
| | TTE 3420.7 | | | **HOBBS: 850 T.S.M.O.H.: 181.20** Inspected engine I.A.W. 100 Hr. inspection. Performed compression check I.A.W. SB 84-15. Cleaned and gapped spark plugs. Installed new starter P/N PM 2407, SN 85010012. Pressure checked exhaust system. I certify this engine has been inspected I.A.W. an annual inspection and has been found to be in airworthy condition at this time. Barry Deal 105449122 |
| | | | | - TSMOH 181.20 = 3420.7 TTE = 850 HOBBS |
| 8/20/99 | | 865 HOBBS | | REPLACED L/E FUEL FILTER 1906576, |
| | | | | 196.20 TSMHO |
| 10/9/99 | | 870 HOBBS | | 201.2 TSMHO OIL & OIL FILTER CHANGE w/80 |
| | | | | e/w 96-12-22 1906576. |
| | | | | |
| 4/12/00 | | ~~1228.5 Hobbs~~ | | Removed #3 cyl, piston, and lifters. Replaced with |
| | | 891 Hobbs | | New parts. Cyl, piston, and rings are Millenium |
| | | | | P/N 47000L-A20P S# 47Z000330, lifter |
| | | | | P/N SA628488. From Superior Airparts. |
| | | | | Break in I.A.W. Superior Service letter # 96-008 |
| | | | | Made 5min ground run and checked over |
| | | | | John Arnold P 585144634 |

L/E

| DATE 2000 ~~19~~__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 9/13 | | | | |
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| | | | | |
| 10/18 | | | | CHANGE OIL & OIL FILTER SHELL 100 - C/W 96-12-22 |
| | | | | |
| 12/12/00 | 937.4 | | | AD 2000-23-21 Continental crankshaft |
| | | | | N/A Due to Date of O/H |
| | | | | Bay Oldy 1654491 22 IAP |
| | | | | |

**9/13/00 HOBBS: 911.5 T.S.M.O.H.: 242.70 LEFT ENGINE**
**T.T: 3482.20** Performed annual inspection on engine. C.W. compression check: #1 – 62/80, #2 – 70/80, #3 – 70/80, #4 – 72/80, #5 – 72/80, #6 – 70/80. Pressure checked exhaust system. I certify this engine has been inspected I.A.W. an annual inspection and has been found to be in airworthy condition at this time. Bay Oldy 1654491 22 IA

| DATE 2001 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | |
| 4-27 | 955.4 | | | CHAGED OIL & OIL FILTER - C/W 96-12-22 |
| | | | | |
| | | | | |
| 12/21/01 | 979 | | | |

L. Engl

**12/21/01 HOBBS: 979 TSMOH: 310.2** Performed annual inspection on this engine. C.W. compression check: #1 – 68/80, #2 – 70/80, #3 – 70/80, #4 – 68/80, #5 – 62/80, #6 – 72/80. Changed oil and filter. Serviced with 11 qts. Aeroshell 80 wt. oil. Cleaned and gapped spark plugs. I certify this engine has been inspected I.A.W. an annual inspection and has been found to be in airworthy condition at this time.

Bay Ely 1054491221A

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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# AVIATION SERVICES

12/01/02 CONT. I.O. 470M LEFT SN: 94528-4-M-R Hobbs 1044.9
Changed oil with Aeroshell W100 and 48110 filter. Cleaned and gapped spark plugs. Timed magnetos. Cleaned fuel injector nozzles. Installed overhauled oil cooler, w.o. # 48445. Installed new CHT bayonet sender. Installed new EGT sender probe. Installed new Hobbs pressure switch. Cleaned turbo charger oil screens. Performed turbo intake and exhaust pressure decay checks. Adjusted oil, fuel pressure, and mixture settings. Ground and flight tests are satisfactory. I certify this engine was inspected iaw a 100hr inspection and is approved for return to service. Compression #1 70/80 #2 71/80 #3 73/80 #4 72/80 #5 75/80 #6 74/80
Robert Gould AP444562662 Robert Gould

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|---|---|---|---|---|
| | | | | TSMOH: 376.1 |
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| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| | | | | AVIATION SERVICES<br>04/10/04 CONT. I.O. 470-M LEFT SN. 94528-4-M-R HOBBS. 1110.5 TSMOH: 441.7<br>OIL CHANGED WITH AEROSHELL W 100 AND CH48110 FILTER. CLEANED AND FLOW TESTED FUEL INJECTOR NOZZLES. CLEANED AND GAPPED SPARK PLUGS. INSTALLED GEAR, BLOCK, RETARD BREAKER, AND SEAL IN LEFT MAGNETO. TIMED MAGNETOS. INSTALLED OVERHAULED FUEL MANIFOLD VALVE. CALIBRATED FUEL SYSTEM PRESSURE AND MIXTURE IAW COMMANDER SERVICE INSTRUCTIONS. INSTALLED [6] BOTTOM NEW RHB 32-S SPARK PLUGS. COMPRESSION: #1 71/80 #2 70/80 #3 72/80 #4 73/80 #573/80 #6 73/80. AD's CURRENT TO 04-2004. I CERTIFY THIS ENGINE WAS INSPECTED IAW A 100 HOUR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.<br>BRYAN GOULD AP444562662 Bryan Gould |
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|---|---|---|---|---|---|---|---|
| MAKE | Continental | | MODEL | IO-470M | Left SERIAL # | 94528-4-M-R | |
| AIRCRAFT N # | | N500TU | W/O # | | Hour Meter(right eng) | 1135 | 2 |
| DATE | 05/28/2005 | | ACFT TOT TIME | | TSMOH | 4662 | |

I certify that this ENGINE has been inspected IAW a 100 hour inspection and found to be in an UNAIRWORTHY condition. Inspection was NOT COMPLETED. Owner has been presented with a list of Unairworthy items with this log book.....END.....

Michael R. Hall

A&P/IA # 2960710

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 7/22/05 | 1135.0 | TS | MOH:466.2 | Oil & Filter Changed Serviced with 10 qt A/S w 100 |
| | | | | Filter CH48108 Cleaned injectors, Cleaned & |
| | | | | tapped Plugs Installed New Air Filter Element |
| | | | | Repaired Both Turbo Mounting Brackets All |
| | | | | Compressions 70/80 or Better ADs Current |
| | | | | through 05-13F Issue I certify this Engine |
| | | | | has been Inspected IAW a 100 hr inspection |
| | | | | & is approved for return to service |
| | | | | Philip Schmidt A&P 442809256 |

| DATE 19___ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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08-12-2006
(date)

Due to lost maintenance records prior to March 1978 and in accordance with FAA Advisory Circular AC 43.9C as the owner of Aero Commander 500A, serial number 500A-1259-83, N500TU, I have examined all available records for the left engine, Continental IO-470M, serial number 94528-4-M-R and determined the Engine Total Time in Service to be 2,932.5 hours as of this date.

Signature of Owner

JEAN E. JORDAN NOTARY # 01017057 EXP. 10/10/09 PUBLIC STATE OF OKLAHOMA

(Notary Stamp)

Jean E. Jordan

| DATE 19___ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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# *The SERVICENTER, Inc.*

7301 NW 50th St. Oklahoma City, Oklahoma 73132-9702
FAA Certified Repair Station #V5SR217O
Phone: (405) 789-5000 Fax: (405) 789-5995

## *Left Engine s/n - 94528-4-M R*

**August 1, 2006** **Model * 500A** **s/n * 1259-83** **N500TU**

A/C HM - ***1,168.8 hrs.***
Engine Total Time - ***2,932.5 hrs.***

Aircraft Total Time - ***3,746.8 hrs.***
Engine TTSOH - ***500.0 hrs.***

***100 hr / Annual Inspection*** completed & routine maintenance performed in accordance with the Manufacturer's Inspection Guide and the Aero Commander Model 500A Maintenance Manual.

Changed oil & replaced filter, serviced with AeroShell W100 oil. Cleaned & gapped all spark plugs.
Performed compression check, #1 - 64/80 #2 - 48/80 #3 - 58/80 #4 - 68/80 #5 - 50/80 #6 - 46/80.

Complied with AD 81-19-04, 39-4214, ***"Rajay Turbocharger Fuel, Oil & Air Hose Replacement"***, complied with paragraph (a), (1 - 4 ), in accordance with Rajay Service Letter #28. Installed (20ea) new fire-sleeved fuel, oil and air hoses on this engine. NOTE: AD due compliance again July-2011.

***contd. on page 2..***

| DATE 19___ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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*page 2 of 2*

Complied with AD 96-12-22, 39-9665, ***"Oil Filter Adapter Assembly Nut Torque Check"***, complied with paragraph (a), (1, 2 & 4). NOTE: AD due compliance each time the oil filter is removed.

Installed a new EGT probe, OPS checked system found all indications & operations normal.

The maintenance described above is certified airworthy and with respect to the work performed this engine is approved for return to service.

***"I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION & IS APPROVED FOR RETURN TO SERVICE".***

Details are on file at this facility under WO# 603728

Anthony Brewer

***Anthony Brewer for CRS# V5SR217O***

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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# Red River Aviation

580-471-6143

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MAKE | Aero Commader | | MODEL | 500A | | SERIAL # | 500A-1259-8 3 |
| AIRCRAFT N # | | 500TU | W/O # | 500A11022007 | | Hobbs | 1179.9 |
| DATE | 11/02/2007 | | Left engine total time | | 2943.6 | TSMOH | 511.1 |

I certify that this ENGINE and has been inspected IAW a 100 Hour inspection and found to be in an AIRWORTHY condition. . Compressions 1-60 2-33 3-63 4-62 5-58 6-63/80 Replaced #2 cylinder with new ECI, Replaced #4 cyl exhaust studs cleaned fuel injectors, timed mags, R&R 12qts 20w50 phillips with filter,cut open old filter no debris noted, Cleaned, inspected and gapped plugs replaced copper gaskets with new. See A.D. list for completions.

FRED HARPER AP/[redacted]3201707 I/A

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|

# Red River Aviation 580-471-6143 LEFT ENG

| | | | | | |
|---|---|---|---|---|---|
| MAKE | Continental | MODEL | IO-470-M | SERIAL# | 94328-4-M-R |
| AIRCRAFT N # | 500TU | W/O # | 03082009500TU | TACH TIME | 1181.2 LT HOBBS |
| DATE | 03/08/2009 | ACFT TOT TIME | 3759.2 | TSMOH | 5124 |

I certify that this ENGINE has been inspected IAW a 100 Hour inspection and found to be in an AIRWORTHY condition. . Differential press. 1-74, 2-79, 3-76, 4-75, 5-72, 6-75/80. Cleaned, inspected gapped plugs installed with new copper gaskets. Replaced distributor block, rotor, points,condenser on both magnetos.

R&R 10qts Phillips 20W50XC oil with filter, cut open old filter no debris found. Sent out oil sample. Cleaned injectors. Cleaned eng and compartment. R&R air filter. Test ran satisfactory. See A.D. list.....

FRED HARPER 3201707 I/A A/P

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521

Date: 10/06/2009; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs:; Tach:; Total Time:; Work performed on Engine # 1; Engine 1 Type: , S/N:, Time:, SMOH:; Prop 1 Type: , S/N:, Time:, SMOH:; Engine 2, Type: , S/N:, Time:, SMOH:; Prop 2, Type: , S/N:, Time:, SMOH:
Discrepancy: 1
Broken oil line left engine.
Remove broken oil fitting and reattached line.Cleaned engine and compartment, Reserviced with oil. Ran engine and inspected for oil leak. None found.
Fred Harper AP/ IA 3201707

Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521

Date: 8/04/2010; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs: 1196.30; Tach:; Total Time: 3774.20; Work performed on Engine # 1; Engine 1 Type: , S/N:, Time: 527.40, SMOH: 527.40; Prop 1 Type: , S/N:, Time:, SMOH:; Engine 2, Type: , S/N:, Time: 527.40, SMOH: 527.40; Prop 2, Type: , S/N:, Time:, SMOH:; Work Done At - Airframe Time: 3774.20,, Engine Time: 527.40, I certify that this LEFT ENGINE has been inspected I.A.W. a 100hr inspection per Aero Commander and Continental service manuals and FAR 43 (D) and was determined to be in an airworthy condition. Compressions; 1-74, 2-78, 3-74, 4-77, 5-72, 6-75/80. R&R 11qts Phillips 20W50 XC oil with filter, cut open old filter no debris found, Oil sample taken. Cleaned, inspected and gapped spark plugs installed with new copper gaskets. Cleaned and inspected fuel nozzles reinstalled with seals and O-rings. Repaired mag P-lead. Timed mags. Replaced air filter. Washed engine test ran satisfactory. See A.D. list.
Fred Harper AP/ IA 3201707

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521

Date: 2/28/2012; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs: 1196.30; Total Time: 3774.20; Work performed on Engine # 1; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.20,, Engine Time: 534.70,
Shop Order #: 11-1253, Closed: 4/18/2011
I certify that this ENGINE has been inspected I.A.W. a 100hr inspection per Aero Commander and Continental Service Manuals and FAR 43 (D) and was determined to be in an airworthy condition. Compressions; 1-76, 2-78, 3-76, 4-76, 5-74, 6-73/80. R&R 11qts Phillips 20W50 XC oil with filter, cut open old filter no debris found, Cleaned, inspected and gapped spark plugs installed with new copper gaskets. Cleaned and inspected fuel nozzles reinstalled with seals and O-rings. Timed mags. Replaced air filter. Washed engine. test ran satisfactory. See A.D. list.
Fred Harper AP/ IA 3201707

| DATE | RECORDING TACH | TODAYS | TOTAL TIME IN | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521

Date: 11/10/2015; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs:; Total Time: 3774.30; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.30,, Engine Time: 3774.20, Shop Order #: 15-1660

L/H engine. Compression check c/w #1 60/80, #2 78/80, #3 72/80, #4 60/80, #5 78/80, #6 76/80. Removed, cleaned, inspected plugs and reinstalled with new copper gaskets. Oil serviced with 11 quarts of Phillips XC 20W-50.Oil filter changed. Filter cut open and examined. Nothing unusual found. Sent mags out for 500 hour inspection reinstalled and timed mags. Exhaust system was removed, inspected, and reinstalled. No defect noted.Removed and replaced air filter.C/W AD 81-19-04 Replaced all fuel, oil and air lines on aft side of engine compartment due again at 10/2020 or 500 hours Hobbs time.Removed, cleaned , inspected And reinstalled fuel injectors.No defect noted.Removed and replaced engine mounts. Resealed #2,#5,and #6 push rod tubes. Resealed intake. Sent fuel servo and fuel flow divider out for overhaul and reinstalled . Washed engines.Ran engines leak and op check good.See A.D. List.I certify that this ENGINE has been inspected I.A.W. an annual/ 100 hour inspection as per FAR 43 appendix D and was determined to be in an airworthy condition.

Randy J Anderson A&P IA 3686010

| DATE | RECORDING | | TOTAL | DESCRIPTION OF INSPECTIONS TESTS REPAIRS AND ALTERATIONS |
|---|---|---|---|---|

Left

Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521

Date: 1/19/2017; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs:; Total Time: 3774.30; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.30,, Engine Time: 3774.20,

Shop Order #: 16-1817

L/H engine. Compression check c/w #1 70/80, #2 74/80, #3 78/80, #4 78/80, #5 72/80, #6 72/80. Removed, cleaned, inspected plugs and reinstalled with new copper gaskets. Oil serviced with 11 quarts of Phillips XC 20W-50. Oil filter changed. Filter cut open and examined. Nothing unusual found. Mag timing checked, no adjustments needed. Exhaust system was inspected and pressure tested. No defect noted. Removed and replaced air filter. Removed, cleaned , inspected and reinstalled fuel injectors. No defect noted. Removed and replaced fuel filters. Washed engines. Ran engines leak and op check good. See A.D. List. I certify that this ENGINE has been inspected I.A.W. an 100 hour inspection as per FAR 43 appendix D and was determined to be in an airworthy condition.

John Harris A&P 3646223

| 2017 | Hobbs | ATT | ETT | N500TU Aero Twin Commander 500A S/N 500A-1259-83 |
|---|---|---|---|---|
| 06/05 | 0000.0 | 3776.80 | 3776.70 | Continental IO-470 S/N 94528-4-M-R |

Removed, inspected, cleaned and reinstalled all fuel injectors on this engine in accordance with Aero Commander 500 Maintenance Manual. Aircraft returned to service for work performed.

Leighton Swatek
A&P 3676073
Aircraft Maintenance Team, Inc.

| DATE 19 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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Date: 01/20/2019; Aircraft:Aero Commander 500A; N500TU;S/N: 500A-1259-83; Total Time: 3790.0
Work Performed on Engine #1 LH: Model: TCM IO-470M S/N:94328-4-M-R; Time:3790.0
Last MOH:3239.5-12/23/1994 ; SMOH 550.50;

Shop Work Order: H100118
Service engine by replacing 11 qts of oil with Phillips XC 20w50 and oil filter, added 1 pint of Cam Guard, oil filter opened and inspected- no metal debris found, inspected hoses and fittings, Serviced Turbo Waste Gate, Installed new Tempest spark plugs Part # URHB325XL. Performed differential compression test 1(72) 2(75) 3 (76) 4(73) 5(70) 6(72).
Ran the engine- no anomalies found. Inspected exhaust- no anomalies found.
Mag timing checked- no adjustments needed. Air filter removed and replaced with new Bracket unit.
Ran engine check with Idle set to 750 RPM- no leaks within normal parameters.
I certify that this engine has been inspected in I.A.W. a 100hr inspection per Aero Commander and Continental service manuals and FAR 43(D) and was determined to be in airworthy condition.
See AD List.
Hugo O. Terrosa AP # 2652567

I certify that this aircraft has been inspected in accordance with annual inspection as per FAR43 (D) and with reference to Aero Commander 500A Service Manual and was determined to be in airworthy conditions.
Dean Markis IA #2388479

| DATE 2019 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 11-17-19. | TWIN | COMMANDER | | N 500TU LH TCM 10-470M. - |
| S/N 94328-4-M-R. | | | | TTAF 3874 SMOH. 634,5 |
| REPLACE OIL FILTER - INSTALL CHAMPION. 48110-1 | | | | |
| Remove oil - ADD 11 qts Aero Shell W100 - oil F. LTER CUT | | | | |
| NOT SIGNIFICANT CONTAMINANTS FOUND - TEST RUN. NO LEAKS NOTED | | | | |
| LUBRICATED CONTROL CABLES - PULLEYS - CLEAN ENGINE COMPARTMENT | | | | |
| AUTHORIZED TO RETURN TO SERVICE | | | | |
| 11-17-19 | | Hugo O. TORROSA | | AP# 2652567. |

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|

**Make/Model:** Commander 500-A **S/N:** 500A-1259-83 **N:** 500TU **Date:** 8-26-19

**FLT HBBS:** 1862.3

Left engine began to run approximately 50 degrees hotter than usual. Pilot made precautionary landing at ISP for inspection. – With the cowl open, inspection finds exhaust riser pipe cylinder #1 with hole. Exhaust riser coupler cylinder #3 cracked in the weld. Removed exhaust stack right side cylinders #1, #3, and #5. Shipped to Aerospace Welding, Mfg. New right side 3 piece stack and elbow; see attached parts tag, Job #115040. Installed exhaust with 3 each new Blo-Proof exhaust gaskets. Replaced oil filter due heat as precautionary with Champion 110 filter. Additionally straight pipe to outboard exhaust was cracked in weld. Removed, welded, installed with new turbo gasket. Aircraft is airworthy in respect to work accomplished by A&P Aircraft Maintenance. No other work accomplished.

END

STICKER 1 OF 1

A&P Aircraft Maintenance Inc
MacArthur Airport
631-588-7771

Authorized Signature

A&P #2134465

Certificate Number:

| DATE 19 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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**Date:** 7/12/2021 **Aircraft Make:** AeroCommander **N Number:** N500TU **Tach Time:**

**Model:** 500A **S/N:** 500A-1259-83 **ACTT:** 3874

**Engine R** Continental **Model:** 10470M **S/N:** 94554-70-M-R **TSMOH:** 634.5 **TT:** 3874

**Engine L** Continental **Model:** 10470M **S/N:** 94328-4-M-R **TSMOH:** 634.5 **TT:** 3874

**Prop R:** Hartzell **Model:** HC-A2MVF-2 **HUB S/N:** Y1587 **TSMOH:** 0.0 **TT:** 0.00

**Prop L:** Hartzell **Model:** HC-A2MVF-2 **HUB S/N:** Y994 **TSMOH:** 0.0 **TT:** 0.00

Left Engine - - - - - **WO#:** H070121 - -

Engine run up test performed- all normal. Changed oil with 12qts of Aeroshell 100Plus, changed oil filter with _____. Spark plugs removed, cleaned and reinstalled. Gap tested. Performed compression test #1: 68/80 #2:72/80 #3:70/80 #4:74/80 #5: 70/80 #6: 72/80. Engine run and tested- no leaks noted. Turbos lubricated and checked for operation- passed. Replaced air filter with P/N: _____. Engine compressor cleaned - Alternator belt checked- retensed and safety wired.
I certify that this engine has been inspected and was determined to be in airworthy condition as regarding the work performed. Engine returned to service .
Hugo O. Terrosa AP#2652567

| DATE 19___ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
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Date: 7/12/2021 Aircraft Make: AeroCommander N Number: N500TU Tach Time:

Model: 500A S/N: 500A-1259-83 ACTT: 3874

Engine R Continental Model: 10470M S/N: 94554-70-M-R TSMOH: 634.5 TT: 3874

Engine L Continental Model: 10470M S/N: 94328-4-M-R TSMOH: 634.5 TT: 3874

Prop R: Hartzell Model: HC-A2MVF-2 HUB S/N: Y1587 TSMOH:0.0 TT: 0.00

Prop L: Hartzell Model: HC-A2MVF-2 HUB S/N: Y994 TSMOH: 0.0 TT: 0.00

WO#: H070121

- - - - - - - - -

I certify that this engine has been inspected in accordance with annual inspection as per FAR43 (D) and was determined to be in airworthy conditions. See AD List

Michael Reed IA #3197430

| DATE 19___ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---|---|---|---|
| 05/09/22 | N500TU | AERO COMMANDER | 500A | S/N .500A1259-83 LEFT ENGINE LOGBOOK |
| LEFT ENGINE | CONTINENTAL IO-470M | S/N94328-4-M-R | TACH, 3884.0 | TSMOH 644.5 |

COMPLETE 100 HOUR/ ANNUAL INSPECTION IN ACCORDANCE WITH AERO COMMANDER 500A SERVICE MANUAL AND FAR AC 43.13 RUNUP ENGINE AND DRAIN OIL. SERVICE ENGINE WITH 12 QTS AEROSHELL 100 PLUS. PEPLACE OIL FILTER P/N.AA110-1. CUT OPEN OIL FILTER REMOVED AND CHECK FOR METEL. NO METAL WAS OBSERVED. OIL SAMPLE SENT OUT FOR ANALYSIS. SERVICE SPARK PLUGS . CLEAN, GAP ,TEST AND ROTATE. SPARK PLUGS REINSTALLED AND TORQUE. PERFORM ENGINE COMPRESSION TEST. AS FOLLOWS. CYL#1.70/80 #2. 71/80 #3. 70/80 #4 73/80 #5. 69/80 #6.70/80 . REPLACE INDUCTION AIR FILTER P/N. TIGHTEN ALL INDUCTION HOSE CLAMPS. INSPECT FUEL SERVO FOR LEAKS /FUEL STAINING. OPERATIONAL CHECK OF ENGINE CONTROL CABLES AND LINKAGES. REPLACE ALTERNATE AIR /HEAT CONTROL CABLES. REPLACE ALTERNATOR BELT P/N .RETENSION AND SAFETY WIRE. REMOVE AND CLEAL ALL FUEL INJECTORS. PERFORM ENGINE GROUND RUNUP. ALL ENGINE OPERATIONS WERE NORMAL.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR/ ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

PATRICK COULTON AP. 3818460 ..... TONY RISELLI AP 1917059 IA .....

MEMORANDA

OVERHAULED 12-23-94
HOBBS 662.8
~~TACH~~
TOTAL TIME 3239.5