

Engine Record General Information

Manufacturer CONTINENTAL Model GTS10-520-13B
Serial 171218-R Type Certificate _____

This engine is currently installed in aircraft N31C

Minimum Octane Fuel 100 Oil Grade: Summer 50WT Winter 50WT

Magneto Time 240 Point Setting _____ Firing Order _____

Spark Plug Gap .016

Manufacturer recommended overhaul at 1600 hours

4-26-96

Notes

This Engine installed on 421C - 431C
on PT Side after overhaul. Test Run OK

D. L. Foster APP 179644

DATE

SAS Spectrum Aircraft Services

DATE: 3/11/96

19- 9629 West Terminal Drive • San Antonio, Tx 78213
(210) 824-2313 ext. 5233 • 1-800-827-3318 ext. 5233
5/26 FAX (210) 824-2328

TT: 1468.7

TSMO: 00.00

TCM ENGINE GTSI0520L

S/N: 272218R Right Engine

or Repair

Engine Major Overhauled according to TCM Overhaul Manual X30045-A. Case overhauled by AJAX AVIATION, San Antonio, TX. to factory new dimensions. All Cylinder Base Studs replaced new. All new Plugs and Bearings. All Cylinders replaced with new Rebarrel Cylinders, 646100. Replaced 6ea. Intake Valves 539988. Replaced 6ea. Exhaust Valves 646286. Replaced 6ea. Valve Springs 637837. Replaced 6ea. Valve Rotators 629117. Replaced 24 Valve Keepers 24802. Replaced 6ea. Valve Seals 641952-As. Replaced Washer Tab 24ea. 501868. Replaced 6ea. Rebushed Rocker Arms 652966. Replaced 12ea. Rocker Shaft 631815. Replaced all 6 Rods with 646437-A1 with overhauled units. Replaced 12ea Bolts 631794. Replaced 12ea. Cotter Pins AN381-25-10. Replaced 12ea. Rod Bearings STD. 630826. Replaced 6ea. Valve Springs 631521. Replaced 4ea. Bearings STD. 630571. Replaced all 6 Piston Pins 630046.

(1 of 3)

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DATE
1976

4/26

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Replaced Pistons 646303, WT. 1538 Grams. Replaced Rings SA5000A5, STD. Camshaft overhauled to Factory new dimensions 646273. Replaced 6ea. Lifter 628488.

Replaced 6ea. Exhaust Lifters 646277. Replaced Woodriff Key MS35756-8. Camshaft Gears magnafluxed O.K. Crankshaft magnafluxed, cleaned, & polished. All Counter WT. Bushings changed - work done by E.C.I. All Counter WTS. changed SB90-12. All new Counter WT. Pins 643626-104, 12ea. Replaced all 24ea. Counter WT. Plates 631808. Replaced C/W Retaining Rings 24ea. 629004, C/WT Weight 812 Grams. Changed Crankshaft Gear & Starter Drive Assembly according to SB94-4. Prop Shaft magnafluxed & polished to new Factory STD. Dimensions. Replaced Thrust Washers 4ea. 646260. Replaced Prop Seal 638161. Replaced Plates on ALT Drive Gear & Bolts, 641909 & 634080. Replaced Oil Transfer Tube Sleeve 629296. Replaced "O" Ring AN123862. Replaced 4ea Prop Shaft Bearing STD. 630464. Replaced 4ea. Intermediate Shaft magnafluxed & polished to Factory New STD. Dimensions. Replaced all 8ea. Crankshaft Bearings STD. 634503.

SAS Spectrum Aircraft Services

9620 West Terminal Drive • San Antonio, Tx 78214 Repair
615-636-3818 ext. 6348 • 1-800-437-3818 ext. 6348
FAX (615) 636-3828

(2 of 3)

DATE
19

Replaced Magneto Harness, Replaced
Spark Plugs with RHB32E. Removed
all Fuel Nozzels for cleaning and
flow check. Dis-assembled Oil Pump-

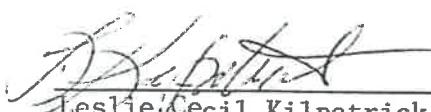
SAS Spectrum Aircraft Services
9620 West Terminal Drive • San Antonio, Tx 78216. Repair
(210) 526-3818 ext 5255 & 1-800-527-3818 ext 5253
RAZ (210) 526-3820

cleaned & checked Gears & checked O.K.
Replaced Spring & Re-assembled with New Gaskets & Seals. Replaced
Seals in Mag Drive Plates. Cleaned Oil Cooler & Pressure Checked for
leaks - Checked O.K. Cleaned & aligned Intercooler. All Intake Tubes
cleaned & aligned. All Fuel, Oil & Vacuum to Deice Hoses all changed
with new Assemblies. C/W SBM92-9 by installing 12ea. Nuts 652541 &
torques to 790-810 inch lbs. Replaced all Gaskets, Seals, & Hoses.
Crankcase Vent Housing Asmbly. cleaned & painted. END.

RIGHT MAG 242 HR. SINCE OVERHAUL.

I certify that this engine has been inspected in accordance with
Annual inspection and was determined to be in airworthy condition.

(3 of 3)


Leslie/Cecil Kilpatrick
AP2179644 IA

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Airport Complex
P O Box 273
For Deposit, AL 35032
324-227-8306
USA
FAX 324-227-8539

AL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N31C RIGHT ENGINE
S/N: 421C-0096
AIRCRAFT TOTAL TIME: 3240.4

DATE: 07-15-96

HOBBS: 20.3

REMOVED STARTER, P/N 646275, S/N 0-048991, AND INSTALLED
OVERHAULED ELECTROSYSTEMS STARTER, P/N E02060, S/N 5110851.
OPERATIONS AND LEAK CHECKED GOOD.

Executive Beechcraft STL inc.
EB Phone:
314-532-4800
CRS: DEBRI52D

With respect to the work performed, this
ENGINE is determined to
be in airworthy condition and is approved for
return to service. Pertinent details of the repair
are on file at this repair station under S.O.

532550

Date 7-15-96

Signeret

Executive Beechcraft STL Inc.
Spirit of St. Louis Airport - 532 Beechcraft Drive
Chesterfield, MO 63005 - (314) 532-4800
FAA Certificated Repair Station No. DER#152D

DATE 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-18-96	3240			REMOVE TACH DRIVE ADAPTER & REPRIMED STUBS, RESEALLED & REINSTALLED WITH NEW NUTS & WASHERS - SERVICE & RUN CHECKED - NO LEAKAGE FOUND Howard Q. Sibley AAF493966228
8-19-96	BTIA 3268.4 HOBBS 0060.7	CHANGED OIL & FILTERS SERVICED W/ SHELL W100 - 12 QTS - COMPLETED VISUAL INSPECTION OF ENGINE - RUN ENG - PRESS NO LEAK CHECK OK Justus Woodbury AAF493966228		

DATE 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N31C RH ENGINE LOG.

CLEANED FUEL NOZZLES. ADJUSTED
THROTTLE BODY RIGGING, ADJUSTED VAPC TO
GET 39.5" SET FUEL PRESSURES IN
TCM SB# M89-10

W/O #20220 DATE 8-22-96 HRS 6/6/141

AUTOPILOTS, CENTRAL, INC.

TULSA, OK 74115-2

SIGNATURE Ralph P. Cottrell Jr.

FAA CRSCM2R747K

DATE 1992	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-24	79.3	79.3		BLEED DOWN ALL VALVE LIFTERS TO INSPECT DRY CLEARANCES. ALL FOUND WITHIN LIMITS. REMOVED ALL VALVE LIFTERS FOR INSPECTION AND ADJUSTMENT OF THE BLEED DOWN RATES BY AIRCRAFT SPECIALTIES SERVICES REPAIR STATION # DD2R 764K. REINSTALLED LIFTERS & CHECKED CLEARANCES, INSTALLED WITH NEW SEALS, LOCKS & GASKETS. GROUND RUN ENGINE WITH CORRECT OPERATION. REMOVED PROP GOVERNOR DUE TO DEFECTIVE SYNC PROBE. GOVERNOR WAS REPAIRED BY BY EMI A/C ACCESSORIES. REINSTALLED REPAIRED GOVERNOR IN 75054D. SEE ATTACHED RELEASE TAGS. APPROVED FOR RETURN TO SERVICE
W/O #20352	DATE 10-24-92 HRS AUTOPILOTS TU SA OK 7415 FAA CRSCM#747K	7415 Signature		

DATE 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12-6-96	21 33 14.7	Time 10.0	100 HR	Hobbs & Turner Engine Insp. Compression of. 90-62-72-70-75/80 Service Injectors, P1405, Service with Shell 8000 oil Rnd & Press. ok. Fuel pump 497966228 New fuel line, Rtn. from pump - 
Sp. flight Air Charter and Sales		Signature	3754	

DATE 18/92	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-28-92	Hobbs	194.8	TT 3402.5	TSN10 194.8 Serviced with 13gts Avroshell w/100 and new (H68111) 2 liter. Comp Deck 80>0 0>8 0>4 0>4 0>8 0>4 Pinned, capped & rotated all spark plugs. Repositioned prop control cable and repaired firehose. Replaced missing nut on #6 exhaust flange. Sifted all Velt monsoon clamps. Secured loose airbox w/sey. Farily that this engine was inspected in accordance with an Annual inspection and was determined to be in an unworkable condition. Inspection done using lesson 421
				cont.

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				service manual Check list Pg 2-10 1/3 thru 2-20 & 29. See AD compliance record on file. End D. J. Hobbs ITA 3402.5
4-28-97	HOBBS	0194.8	ITA 3402.5	HOUR METER RAN WHILE AIRCRAFT ON JACKS DURING AN ANNUAL INSP. - HOUR METER PROGRESSED 32.4 HRS - NOW READS 0227.2 - THIS TIME NOT ADDED TO TOTAL TIME - ITA 3402.5

DATE 1992	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
08-97	Hibbs	194.8	TT 3402.5	<p>TSN10 194.8 Serviced with 13gts Aerostill w/100 and new H/C 8/11 2 1/2 80>0 0 68 0 4 4>4 0 7 6 7 4 After. Comp. Check</p> <p>Caned, capped & rotated all spark plugs. Repositioned prop control cable and repaired harness. Replaced missing nut on #6 oil flange. Tightened all exhaust manifolds bolts. Secured loose airbox wire. Certified that this engine was inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. Inspection done using LSA 421</p>

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				service manual Check list Sys 2-10 1/2 thru 2-20 & 29. See AD compliance record on file. End DODGE TIA 3402.5
4-28-97	HOBBS	0194.8	TTA 3402.5	Hour meter ran while aircraft on jacks during an annual insp. - hour meter progressed 32.4 hrs - now reads 0227.2 - this time not added to total time - TTA 3402.5 Justin Doddy ACP493966228

DATE 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				CHANGED OIL & FILTER - SERVICED WITH AEROSHELL W100 - 12 QTS - RAN ENG - LEAK CK OK - Justin Godwin AIA 493966228 -
7-31-97	0320.4			
9-27-97	TA 3506.7			CHANGED OIL & FILTER - SERVICED WITH AEROSHELL W100 12 QTS - RAN ENG - PRES. CK OK - NO LEAKS FOUND - COMPR 1. 69/2-62/3-67/4-71/5-65/6-68 T CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSP AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION Justin Godwin AIA 493966228

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.)

Springfield Aircraft Charter
5050 West Kearney
Springfield, MO 65803
417-865-6869

REG: N31C M/M: Cessna 421C
Date: 12-18-1997 H. M.: 0421.9

S/N: 421C0086

Changed oil and filter. Took oil samples for oil analysis. Serviced with 12 qts. Aeroshell W80. Ran eng for pressure and leak check. Pressure good and no leaks found.

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Justin Goodwyn
JUSTIN GOODWYN A&P493966228

19
DA
Right Engine Log Book Entry By Yingling Aircraft Inc.

P.O. Box 9248, Wichita, KS 67277 FAA CRS BWRR668C
For: N31C, 421C-0096

Recorded Hours:	450.1	Aircraft Total Time:	3598.5
Engine Total Time:	1236.9	Eng. Time Since Overhaul:	390.0

Completed an Annual Inspection at this time. Drained the engine oil, installed a new oil filter and serviced the engine with Aeroshell W80. Checked the cylinder compression and magneto timing. Installed all new spark plugs. Cleaned the fuel metering unit screen, the injection nozzles, and the induction air filter element. The exhaust wye collector was repaired at this time. Installed an overhauled 642343 cylinder assembly in the # 1 position.

I certify this Engine has been inspected in
accordance with an Annual Inspection and is presently
Airworthy and Approved for Return to Service
Yingling Aircraft, Inc. Wichita, Kansas
FAA CRS# BWRR668C W.O. 12657/12708

Rec. Hrs. 450.1 Date 02-10-98

Model GTSIO520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

FAA Approved Repair Station No. B1TR142N
POWERPLANT LOGBOOK INSERT

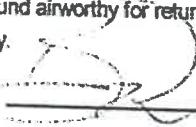
RT

DATE: 4/27/98
W.O.# 2252
TACH.
HOBBS 481.4
SMOH
TT

or Repair

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

Date: 4/27/98

Signed 

Performed 50 hr. inspection, cleaned and gapped plugs, checked magneto timing. Inspected exhaust system, and fuel system. Repaired baffle seals on right bank. Serviced with Aeroshell W 100 50 wt. Run up satisfactory, approved for return to service.

END

Model GTSIO520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

FAA Approved Repair Station No. B1TR142N
POWERPLANT LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return-to-service. Pertinent details of the repair are on file at this agency.

Date: 5/5/98

Signed

Performed 50 hr. inspection, cleaned and gapped plugs, checked magneto timing. Inspected exhaust system, and fuel system. Installed new RAM slip joint on inboard side, p/n 1001-3. Changed oil and filter, serviced with Aeroshell W100 50m wt. Run up satisfactory, approved for return to service.

END

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DATE

19

Model GTSIO520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

RT **FAA Approved Repair Station No. B1TR142N**
POWERPLANT LOGBOOK INSERT

DATE: 5/23/98
W.O.# 2278
TACH.
HOBBS 509.6
SMOH
TT

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

Date: 5/15/98

Signed

Changed oil and filter, performed visual inspection of exhaust system.
Serviced with Aeroshell W 100 50 wt. Inspected air filter, ok.
Run up satisfactory, approved for return to service.

END

Model GTSIO520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

FAA Approved Repair Station No. B1TR142N
RT POWERPLANT LOGBOOK INSERT

DATE: 12/10/98
W.O.# 2331
TACH.
HOBBS 549.4
SMOH 489.3
TT 1336.2

or Repair

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

Date: 12/10/98

Signed

Performed 100 hr. inspection per TCM service manual and FAR 43, apdx. D. Comp. test; #1 72, #2 72, #3 72, #4 68, #5 74, #6 75. Inspected cleaned and gapped plugs, checked magneto timing. Cleaned fuel screen, and fuel injectors. Installed new engine air

DATA

19- Model GTSIO520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

DATE: 1/26/99
W.O.# 2404
TACH.
HOBBS 581.6
SMOH
TT

FAA Approved Repair Station No. B1TR142N
POWERPLANT LOGBOOK INSERT

RT

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

Date: 1/26/99

Signed 

Performed 25 hr. inspection, Inspected exhaust system by pressure test.
Changed oil and filter, serviced with Aeroshell W 100 50 wt.
Run up satisfactory, approved for return to service.

END

DA
19.

Model GTS10520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

FAA Approved Repair Station No. B1TR142N
~~RT~~ RT POWERPLANT LOGBOOK INSERT

DATE: 3/22/99
W.O.# 2429
TACH.
HOBBS 602.6
SMOH
TT

Repair

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

Date: 3/22/99

Signed

Changed oil and filter, visually inspected exhaust system. Removed propeller governor due to leaks. Governor was resealed by True Speed Gov. shop, see yellow tag. Serviced with Aeroshell W 100 50 WT., Run up satisfactory, approved for return to service.

END

DA

19.

Model GTS10520L
S/N 272218R
N# 31C

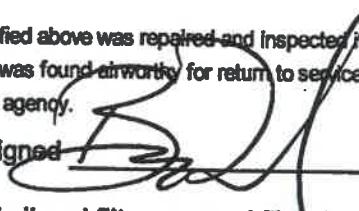
BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

RT **FAA Approved Repair Station No. B1TR142N**
POWERPLANT LOGBOOK INSERT

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

Date: 4/30/99

Signed 

Repair
DATE: 4/30/99
W.O.# 2454
TACH.
HOBBS 631
SMOH
TT

Changed oil and filter, opened filter for inspection. Repaired baffle seal on right side. Serviced with Aeroshell W 100 50 wt. Run up satisfactory, approved for return to service.

END

Model GTSIO520L
S/N 272218R
N# 31C

BEN'S. AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

FAA Approved Repair Station No. B1TR142N
RT POWERPLANT LOGBOOK INSERT

or Repair
DATE: 9/9/99
W.O.# 2555
TACH.
HOBBS 685
SMOH
TT

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

Date: 9/9/99

Signed 

Changed oil and filter, opened filter for inspection. Inspected exhaust system. Installed new noise capacitor on alternator. Run up satisfactory, approved for return to service.

END

Model GTSIO520L
S/N 272218R
N# 31C

BEN'S AIRCRAFT MAINTENANCE, INC.

4001 SANTA ANITA AVE.
EL MONTE, CA. 91731

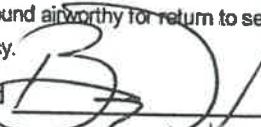
RT **FAA Approved Repair Station No. B1TR142N**
 POWERPLANT LOGBOOK INSERT

DATE: 1/12/00
W.O.# 2603
TACH.
HOBBS 690.3
SMOH 630.2
TT 1477.1

Repair

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

Date: 1/12/00

Signed 

Performed 100 hr. inspection per TCM service manual and FAR 43, apdx. D. Comp. test; #1 72, #2 68, #3 70, #4 69, #5 69, #6 68. Inspected exhaust system fuel system, induction system, and electrical system. Removed starter, installed new brushes, and replaced seal. Cleaned and gapped plugs, checked magneto timing. C/W AD 75-23-08R5 inspection of exhaust system. C/W AD 76-02-07, Alternator bearing inspection and lube. Resealed push rod tube on #4 cylinder. Changed oil and filter. Serviced with Aeroshell W 100 50 wt. Run up satisfactory approved for return to service.

END

DATE	RECORDING TACH TIME	TODAY FLIGH ^T	LOG BOOK ENTRY FOR N31C RIGHT ENGINE	Repair
19			OCTOBER 9, 2000	
			HOBBS 750.0 SMOH HOBBS MINUS CORRECTIONS 4-28-97 AND 7-10-97 MINUS 59.3 HRS SMOH 690.7 TT 1536.8	
			ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH FFAR 43 APPENDIX D.	
			COMPRESSION OVER 80 PSI	
			AD 76-02-07 EFF DATE FEB 2, 1976 (PRESTOLITE ALTERNATOR) COMPLIED WITH BY INSPECTION AND LUBRICATION.	
			NEXT DUE HOBBS 850.0	
			AD 2000-01-16 EFF DATE FEB 15, 2000 (EXHAUST INSPECTION) SEE AIRFRAME LOG THIS DATE.	
			OIL AND FILTER CHANGED, SERVICED WITH AEROSHELL 15/50W	
			I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY.	
			RICHARD PATSHKOWSKI A&P/IA 1909051	
			<i>Richard Patshkowski</i>	

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12-12-00	160505	786.5		Oil & Filter changed - Secured with Hesco Side C 15/50W. Rich Rishikow APR 190905
2-27-01	201	160555	819.6	Oil & Filter changed, sample taken - serviced with Hesco Side C 100W. C/W AD 2000-01-16 by visual insp. Rich Rishikow APR 190905

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
June 10, 2001				ONL & FRT TPS CHANGED, SERVICED W/ 100 HOBBS 849.0 N610 S1000 100W RST/PLATEK/HOBBS 05
LOG BOOK ENTRY FOR N31C				
June 19, 2001 HOBBS 863.3				
REMOVED CLEANED GAPPED AND REINSTALLED SPARKPLUGS. REMOVED RIGHT MAG INSTALLED NEW ROTOR AND BLOCK. REASSEMBLED, AND REINSTALLED. TEST RUN OK				
<i>Richie Beldiend N610 S1000 05</i>				

DATE
19

1 LOG BOOK ENTRY FOR N31C ~~LEFT~~ ENGINE

RT

lions
er of Technician or Repair

1 JULY 3, 2001 HOBBS 867.8

INSTALLED TWO NEW FACTORY REMAN BLUE LABLE MAGNETOS AND
AN NEW SLICK IGNITION HARNESS.

ENGINE TEST RUN OK

Richard Patshkowsky
RICHARD PATSHKOWSKI A&P 1909051

7-17-2001 879.3

REMOVED SPARKPLATE PLATE AND
OIL PLATE DUE TO OIL LEAK.
CLEANED REINSTALLED WITH
TCM GASKET WASHER + SILIC THREAD.
TEST RUN INSPECTED FOR 2 YEARS.

Richard Patshkowsky

A&P 1909051

DATE

19

Corporate Air Technology
1250 Aviation Avenue, Suite 125
San Jose, California 95110
CRS AU3R384L

Repair

December 7, 2001 N31C

Tach:

Hobbs: 900.1

Cycles:

Total Time: 4048.5

ANNUAL INSPECTION COMPLETED, C/W AD 00-01-16 par(b) VISUAL INSP(next due@4098),
C/W AD00-01-16 par(c)&(e)PRESS TEST&TAILPIPE INSP(next due@12-02/4148hrs),
C/W TCM CS997-9 CRANKCASE INSP(next due@4098hr), C/W TCM CS998-1E VALVE INSP,
CHANGED OIL AND FILTER, SERVICED WITH AEROSHELL 100W, CLEANED AND GAPPED PLUGS
CLEANED FUEL NOZZLES, INSTALLED OVERHAULED #3 CYL., INSTALLED ECH TAILPIPE-
#2 EXHAUST RISER-IND8 SLIP JOINT (FROM KNISLEY), C/W AD 75-02-07 PRESTOLITE ALT
BEARING INSP(next due@4148hr), WASHED RAN AND LEAK CHECKED. COMPRESSION CHECK
#1=69, #2=62, #3=REPLACED, #4=69, #5=62, #6=69

I certify that this RH ENGINE has been inspected in accordance with
a ANNUAL inspection and was determined to be in airworthy condition.
Work Order #: 15944

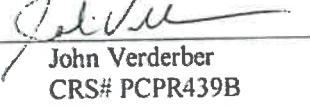
X

Corporate Air Technology

D. McGahey

CRS AU3R384L

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DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
		January 16, 2002 N31C Cessna 421C S/N: 421C0096 Tach: 903.7		Mather Aviation LLC Mather Airport FAA CRS No. PCPR439B WO# 406222
				AFTT: 4052.9 This is a permanent part of the Right Engine records.
				<ol style="list-style-type: none"> 1. C/W differential compression test 1) 69/80, 2) 65/80, 3) 73/80, 4) 66/80, 5) 60/80, 6) 65/80. 2. Opened and inspected the engine oil filter, no defects noted. New oil filter installed and safeted.
				Technician: L. Olivares, S. Heller This aircraft is approved for return to service only with respect to the work performed. Inspector:  John Verderber CRS# PCPR439B
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DATE
19

Corporate Air Technology
1250 Aviation Avenue, Suite 125
San Jose, California 95110
CRS AU3R384L

Repair

March 1, 2002 N31C Tach: Hobbs: 905.5

Cycles: Total Time: 4053.9

REPLACED ALL FLAMMABLE FLUID CARRYING HOSES WITH NEW HOSES FROM AIR-PRO INC.
HOSE KIT # C421C(HOSES DATED 2-22-02 NEXT DUE 2-22-07), SECURED ALL HOSES
WITH CLAMPS AND OR TY-WRAPS AS NECESSARY, WASHED ENGINE RAN AND LEAK CHECKED.

The aircraft, airframe, aircraft engine, propellor, 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 #: 19417

X Corporate Air Technology

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March 15, 2002
N31C Cessna 421C
S/N: 421C0096
Meter: 909.2

Mather Aviation LLC
Mather Airport
FAA CRS No. PCPR439B
WO# 406379

Technician or Repair

This is a permanent part of the Right Engine records.

1. Drained oil and changed filter. Took oil sample. Opened oil filter, no defects noted. Serviced with Aeroshell 15W50 Oil.
2. Installed new oil cap retaining cable.
3. Retorqued tail pipe stabilizing clamp.
4. Secured alternator wire bundle with stand offs and tie wraps.
7. Installed new intercooler O ring and copper washer.
8. Removed fuel nozzles and cleaned. Reinstalled with new gaskets and O rings. Installed 4 new upper deck reference risers on the engine with new seals.
5. Installed one new oil cooler mount nut and washer

Technician: C. Jones, M. Rotar

This aircraft is approved for return to service only with respect to the work performed. *2/26/01*

Inspector:

John Verderber
CRS# PCPR439B

DATE	RECORDING TACH TIME
19	May 1, 2002
	N31C Cessna 421C
	S/N: 414A-0825 421C0096 <i>✓</i>
	A.F.T.T: 4059.3
	Meter: 910.9
	ETSO: 851.6
	WO#: 406409

May 1, 2002
N31C Cessna 421C
S/N: 414A-0825 421C0096 *✓*
A.F.T.T: 4059.3

Mather Aviation LLC
Mather Airport
FAA CRS No. PCPR439B
WO#: 406409

ian or Repair

This is a permanent part of the Right Engine Records.

1. Complied with an Annual Inspection as per Mather Aviation LLC Checklist MA100ME, and FAR 43 Appendix D.
2. Complied with Cylinder differential compression test I/A/W TCM SB M84-15: #1) 73/80, #2) 65/80, #3) 75/80, #4) 55/80, #5) 58/80, #6) 68/80.
3. No oil change at this time.
4. Installed rebuilt Variable Absolute Pressure Controller, P/N 470836-9003 S/N EKO16295 from Consolidated Fuel Systems FAA CRS PQ1383CE.
5. Repositioned fuel flow transducer to prevent chafing.
6. Installed new Tanis heater pad on the oil pan.
7. Repaired baffles and seals as required.
8. Installed new drain tube on the waste gate.
9. Installed repaired turbo wye heat shield.
10. Installed Rebuilt Waste Gate assembly. P/N 481064-9001 S/N FCO17096 from Consolidated Fuel Systems FAA CRS PQ1383CE.
11. Completed turbo controller set up and fuel pressure set up as per TCM Service Bulletin 97-3A

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DATE	RECO
TACH	TIME
19	May 2, 2003

N31C Cessna 421C
S/N: 421C0096
A.F.T.T: 4133.3

Mather Aviation LLC

Mather Airport

FAA CRS No. PCPR439B

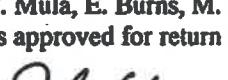
WO#: 407331

Meter: 29.9 ETSO: 926.3

This is a permanent part of the Right Engine Records.

1. Complied with an Annual Inspection as per Mather Aviation LLC Checklist MA100ME, and FAR 43 Appendix D.
2. Complied with Cylinder differential compression test I/A/W TCM SB SB03-3: #1) 67/80, #2) 61/80, #3) 73/80, #4) 63/80, #5) 62/80, #6) 69/80.
3. Drained oil and changed filter. Serviced with Aeroshell 15W50 oil. Took oil sample and inspected removed filter. No defects noted.
4. Adjusted the left magneto to 24 degrees BTC.
5. Replaced all injector O-rings and rubber washers.
6. Installed new governor control rod end and prop sync micarda block. Operation normal.
7. Stop drilled small cracks in the engine baffling as required.
8. Installed new forward engine shock mounts.
9. Retorqued main fuel line fittings and leak checked. No defects noted.
10. Installed new condenser on the left magneto.

Technician or Repair

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	
<p>December 17, 2003 N31C, Cessna 421C S/N: 421C0096 Meter: 110.5</p>				<p>Mather Aviation LLC Mather Airport FAA CRS PCPR439B WO# 407906</p>	
<p>This is a permanent part of the Right Engine records.</p> <p>1. Drained oil and changed filter. Took oil sample and opened removed cylinder. No defects noted. Serviced with Aeroshell 100W Plus oil.</p> <p>2. Installed new intake tube, P/N 639323 on the number 6 cylinder. INstalled with new gasket.</p> <p>Technician: T. Mula, E. Burns, M. Rotar, and K. Glavich.</p> <p>This aircraft is approved for return to service only with respect to the work performed.</p> <p>Inspector:  John Verderber CRS PCPR439B</p>					

SAS Spectrum Aircraft Services

DATE
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9628 West Terminal Drive • San Antonio, Tx 78216
(210) 824-2813 ext 5233 • 1-800-327-2813 ext 5233
FAX (210) 824-3858

AD-93-10-02 C/W AT OVERHAUL 3-11-96
AD-91-19-03 N/A PART NO.
AD-88-03-06 N/A PART NO.
AD-87-04-05 N/A PART NO.
AD-86-13-04 N/A PART NO. & SERIAL NO. & NEW REBARREL CYLINDER ASSY.
AD-82-13-01 P/C/W BENDIX MAG - 1200 SERIES
AD-81-24-06 N/A SERIAL NO. - FUEL PUMP
AD-80-25-06R1 C/W AT OVERHAUL, REPLACED THRUST WASHERS & END PLAY
WITHIN NEW DIMENSIONS
AD-80-09-11 N/A NEW STARTER DRIVE ASSY. 3-11-96
AD-79-05-09 P/C/W CHECKED 3-11-96
AD-78-09-07-R3 N/A MODEL NO.
AD-77-13-22 N/A MODEL NO. & SERIAL NO. & HEAVY CASE INSTALLED & CASE
OVERHAULED 3-10-96
AD-75-09-13 N/A MODEL & SERIAL NO.
AD-74-26-09 P/C/W BENDIX MAG

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SAS Spectrum Aircraft Services

9623 West Terminal Drive • San Antonio, Tx 78216
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FAX (210) 524-3858

RIGHT ENGINE: S/N 272218R
SB-94-4 C/W 3-11-96
SB-92-9 C/W REPLACED NUTS & NEW TORQUE
SBM91-9 C/W NEW LUBRICATIONS USED
SBM91-6 C/W NEW REBARREL CYLINDER ASSY.
SBM91-7 N/A STANDARD CYLINDERS
SBM90-17 N/A CASE OVERHAULED 3-11-96
SBM90-16 C/W 3-11-96 7th STUD IMPROVEMENT INSTALLED KIT #ALTO1800
SBM90-15 N/A SERIAL NO.
SBM90-13 VALVES CHANGED 3-11-96
SBM90-12 COUNTER WEIGHT CHANGE C/W
SBM89-17 C/W NEW REBARREL CYLINDER ASSY. 3-11-96
SBM89-7 C/W AT ENGINE INSTALLATION
SBM89-5 C/W DRIVE COUPLING 646655
SBM88-11 C/W LATER RING GAP INFORMATION

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FAX (210) 824-3858

- SBM88-8 C/W AT ENGINE BUILD UP ~ 3-11-96
- SBM88-7 C/W AT ENGINE RUN UP
- SBM87-11 C/W 100% REPLACEMENT PARTS
- SBM87-7 C/W AT THIS TIME 3-11-96
- SBM87-6 N/A "N" MODEL ONLY
- SBM86-18 C/W TORQUE LIMITS NEW SB92-15 TORQUE LIMITS
- SBM86-7 N/A NEW REBARREL CYLINDER 3-11-96 & SERIAL NO.
- SBM85-18 C/W AT OVERHAUL OF CYLINDERS
- SBM85-11 C/W AT OVERHAUL REPLACED COMPLETE STARTER DRIVE ASSY.
- SBM82-3 N/A PART NO.
- SBM81-27 N/A SUPERSEDED BY LATER BULLETIN
- SBM81-25 C/W AT ENGINE REPLACEMENT TORQUE TO 8.3 to 9.2 FT.LBS.
- SBM81-15 PRESTOLITE ALTERNATORS INSTALLED
- SBM80-9 N/A MODEL

(2)

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FAX (210) 824-8858

- SBM78-6 C/W AT CYLINDER OVERHAUL
- SBM77-14-R1 N/A MODEL
- SBM77-9 P/C/W
- SBM76-12 N/A NO CHROME CYLINDERS
- SBM76-7 N/A MODEL
- SBM76-4 C/W AT OVERHAUL 3-11-96
- SBM75-30 C/W AT OVERHAUL & EVERY 100 HOURS
- SBM72-17 C/W AT OVERHAUL ALL 6 RODS WT. 1173 GRAMS
- SBM71-20 N/A MODEL
- SBM70-3 N/A MODEL
- SBM67-5 N/A MODEL OF ENGINE
- SB93-8 C/W AT OVERHAUL

(3)