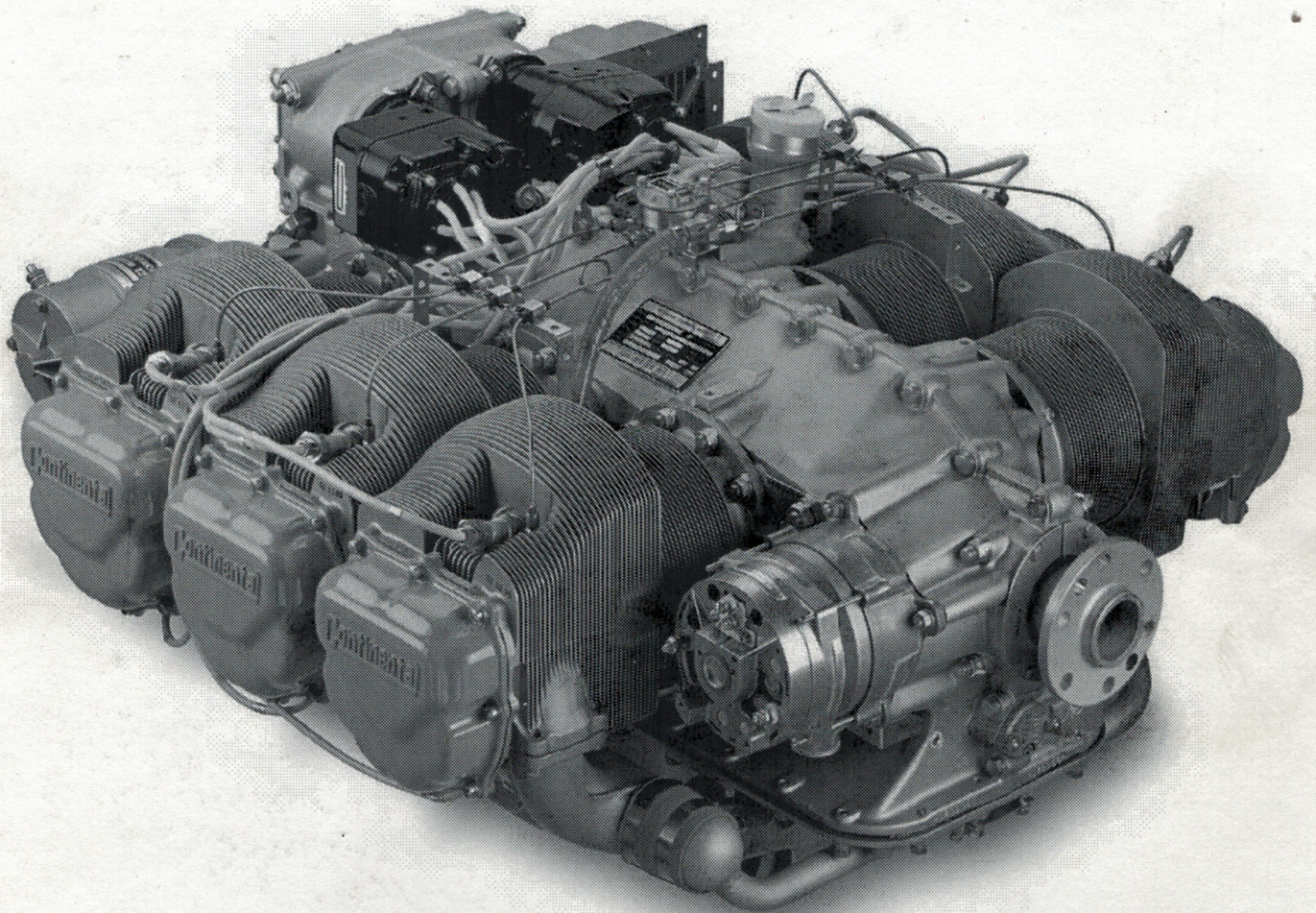


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
4-23-03	0	0			Serviced Engine with 8 Qts of Phillips 20 W50 Straight Mineral Oil on 4/23/03 by WEAD 2

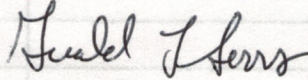
Quality Aviation, Inc.
 3401 W. Trunk Hwy 21
 Faribault, MN 55021
 1-866-865-1777

N1432C Engine Log book entry.

Date: 06/08/04 **Hobbs:** 108:1 **Engine TT:** 108.1

Complied with an Annual inspection per Cirrus Design SR-20 service manual. Compression Check #1 78/80 #2 77/80 #3 62/80 #4 72/80 #5 74/80 #6 73/80. Complied with TCM SB SID97-3A fuel system check. Drained oil, removed oil filter and cut open to inspect for contamination, filter was found to be satisfactory, a new filter was installed and saftied. Engine was serviced with 7 qts with Phillips 20W50 X/C. Run leak check good. **I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.**

Gerald L. Serres A&P IA 471960279



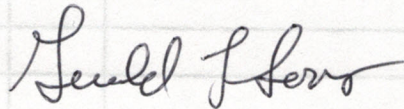
Quality Aviation, Inc.
 3401 W. Trunk Hwy 21
 Faribault, MN 55021
 1-866-865-1777

N1432C Engine Log book entry.

Date: 09/17/04 **Hobbs:** 134.0 **Engine TT:** 134.0

Drained oil, removed oil filter and cut open to inspect for contamination, filter was found to be satisfactory, a new filter was installed and saftied. Engine was serviced with 7 qts with Exxon Elite 20W50. Run leak check good.

Gerald L. Serres A&P 471960279



ENGINE MODEL:
ENGINE S/N:
REG. NO: N1432C
WORK ORDER:
831-02-2005



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 2/16/2005

178.0 A/C TSN: ~~63.60~~
178.0 ENG TT: ~~69.60~~
178.0 HOBBS: ~~63.60~~

Engine Entries

Drain oil, take sample, cut open filter to check for metal -none found- install new CH48108-1 filter and 7 qts Phillips 20W50 X/C. Run and leak check satisfactor -end-

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 2/16/2005

SIGNED:

Scott Welter, A&P: 477682962

1

Work Order: 831-02-2005

Printed by EBis 3 (datcomedia.com)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward

ENGINE MODEL:
ENGINE S/N:
REG. NO: N1432C
WORK ORDER:
831-02-2005



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 2/21/2005
A/C TSN: 178
ENG TT: 63.60
HOBBS: 178

Engine Entries

Drain oil, take sample, cut open filter to check for metal -none found- install new CH48108-1 filter and 7 qts Phillips 20W50 X/C. Run and leak check satisfactor -end-

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 2/21/2005

SIGNED:

Jeff Iskierka, A&P: 470046442

Work Order: 831-02-2005

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-360ES
ENGINE S/N: 357609
REG. NO: N1432C
WORK ORDER:
972-05-2005



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 6/7/2005
A/C TSN: 207.7
ENG TT:
HOBBS: 207.7

Engine Entries

C/W an annual engine inspection IAW Cirrus SR 20 MM and IG. AD's researched through 6-2005. See AD listing for pertinent details. Researched all Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 8 qts of Exxon Elite 20W-50 and CH48108-1 filter. Quick drain verified closed and filter torqued and safetied. R&R induction air filter w/ new BA-24. Next due @ next annual, or or 50% coverage -whichever first. Cleaned, inspected, gapped and tested spark plugs. Compression: #1 - 78/80, #2 - 77/80, #3 - 71/80, #4 - 76/80, #5 - 74/80 & #6 - 74/80. External mag timing checked and adjusted to 24 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Inspected and cleaned all fuel injectors. Leak check sat. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check sat. I certify that this powerplant has been inspected iaw an annual inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed:--Dressed up all three prop blades and painted.--Cleaned area where number 6 intake tube and adel clamp meet. Sealed adel clamp to tube with fireproof RTV.--Installed new .032 safety wire on engine oil drain plug.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 6/7/2005

SIGNED:

Jeff Iskierka, IA: 470046442

Work Order: 972-05-2005

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-360ES
ENGINE S/N: 357609
REG. NO: N1432C
WORK ORDER:
1240-10-2005



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 10/26/2005
A/C TSN: 250.5
ENG TT: 250.5
HOBBS: 250.5

Engine Entries

Drained oil, removed filter and installed new CH48108. Serviced with 7QTS Exxon elite 20w-50. Took oil sample and sent to lab. Leak check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 10/26/2005

SIGNED:

Jeff Iskierka, A&P: 470046442

Work Order: 1240-10-2005

Printed by EBis 3 (datcomedia.com)

Quality Aviation, Inc.
3401 W. Trunk Hwy 21
Faribault, MN 55021
1-866-865-1777

N1432C Engine Log book entry.

Date: 06/14/06 Hobbs: 283.6 Engine TT: 283.6

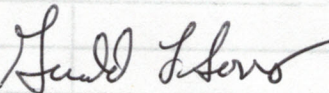
Complied with an Annual inspection per Cirrus Design SR-20 service manual. Compression Check in accordance with TCM SB03-3, results #1 79/80 #2 76/80 #3 71/80 #4 77/80 #5 76/80 #6 73/80. Complied with TCM SB SID97-3A fuel system check. Drained oil, removed oil filter and cut open to inspect for contamination, filter was found to be satisfactory, a new filter was installed and saftied. Engine was serviced with 7 qts with Phillips 20W50 X/C. Run leak check good. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

N1432C Engine Log book entry.

Date: 07/20/07 Hobbs: 358.8 Engine TT: 358.8

Complied with an Annual inspection per Cirrus Design SR-20 service manual. Compression Check in accordance with TCM SB03-3, results #1 73/80 #2 73/80 #3 70/80 #4 74/80 #5 73/80 #6 74/80. Complied with TCM SB SID97-3A fuel system check. Drained oil, removed oil filter and cut open to inspect for contamination, filter was found to be satisfactory, a new filter was installed and saftied. Engine was serviced with 7 qts with Phillips 20W50 X/C. Run leak check good. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Gerald L. Serres A&P IA 471960279



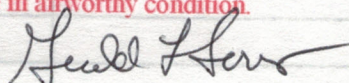
Quality Aviation, Inc.
3401 W. Trunk Hwy 21
Faribault, MN 55021
1-866-865-1777

N1432C Engine Log book entry.

Date: 08/21/08 Hobbs: 368.1 Engine TT: 368.1

Complied with an Annual inspection per Cirrus Design SR-20 service manual. Compression check results #1 78/80 #2 77/80 #3 74/80 #4 78/80 #5 73/80 #6 78/80. Complied with TCM SB SID97-3A fuel system check. Drained oil, removed oil filter and cut open to inspect for contamination, filter was found to be satisfactory, a new filter was installed and saftied. Engine was serviced with 7 qts with Aeroshell 15W50. Run leak check good. The airworthiness directives were researched though the ATP revision 8/08/08, the applicability and status is noted in a log located in the aircraft permanent records. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Gerald L. Serres A&P IA 471960279



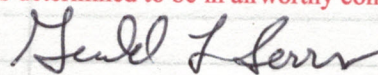
Quality Aviation, Inc.
3401 W. Trunk Hwy 21
Faribault, MN 55021
1-866-865-1777

N1432C Engine Log book entry.

Date: 09/04/09 Hobbs: 401.5 Engine TT: 401.5

Complied with an Annual inspection per Cirrus Design SR-20 service manual. Compression check results #1 77/80 #2 76/80 #3 76/80 #4 78/80 #5 75/80 #6 76/80. Replaced one spark plug with new, P/N RHM38E. Complied with TCM SB SID97-3A fuel system check. Drained oil, removed oil filter and cut open to inspect for contamination, filter was found to be satisfactory, a new filter, P/N CH48108-1 was installed and saftied. Engine was serviced with 7 qts with Aeroshell 15W50. Run leak check good. The airworthiness directives were researched though the ATP revision 9/01/09, the applicability and status is noted in a log located in the aircraft permanent records. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Gerald L. Serres A&P IA 471960279



ENGINE MODEL:
IO-360-ES
ENGINE S/N: 357609
REG. NO: N1432C
WORK ORDER:
4114-08-2011



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
Blaine, Minnesota 55449 USA
Phone: 763-784-9165

DATE: 9/9/2011
A/C TSN: 415.9
ENG TT: 415.9
HOBBS: 415.9

Engine Entries

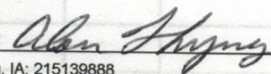
C/W a Annual Engine Inspection IAW Cirrus SR 20 MM and IG. AD's researched to date. See AD listing for pertinent details. Researched all Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of Aeroshell 15W-50 and Tempest 48108-2 filter. Quick drain verified closed and filter torqued and saftied. Cleaned, inspected, gapped and tested spark plugs. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3, Compression: #1 - 71/80, #2 - 72/80, #3 - 68/80, #4 - 71/80, #5 - 72/80 & #6 - 70/80, External mag timing checked and adjusted to 24 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check sat. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed:--C/W AD 10-11-04, Hydraulic Lifters, DNA by date of engine manufacture.--Repaired broken wire and female terminal in #2 aternator field connector, ops checked satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 9/9/2011

SIGNED:

Alan Thyng, IA: 215139888



Work Order: 4114-08-2011

Printed by EBIS 3 (datcomedia.com)

Memoranda

AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. 4. Author. By
Manufacturer Teledyne Continental	Category Engine	Model IO-360-ES	Part #: Serial #: 357609			
88-03-06 4/15/1988	TO PREVENT POSSIBLE LOSS OF ENGINE OIL AND SUBSEQUENT ENGINE FAILURE	6/8/2004 108.1	This AD does not apply, the affected oil filter is not installed.	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	
91-19-03 9/29/1991	TO PREVENT OPERATION WITH COLLAPSED OIL FILTER ELEMENTS, WHICH CAN RESULT IN LOSS OF OIL PRESSURE, CONTD.	6/8/2004 108.1	This AD does not apply, the affected oil filter is not installed.	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	
92-02-20 E R1 2/3/1992	Superseded by 92-04-09			Once		1. 2. 3. 4.
ⓈATP	ⓈATP			ⓈATP	Signature:	
92-04-09 6/22/1993	TO PREVENT ENGINE FAILURE CAUSED BY FAILURE OF THE ROCKER SHAFT HOLD DOWN STUD	6/8/2004 108.1	This AD does not apply by the engine serial number.	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	
93-10-02 8/12/1993	TO PREVENT AN ENGINE FAILURE DUE TO A MISSING CYLINDER VALVE RETAINER KEY	6/8/2004 108.1	This AD does not apply, the cylinders were not purchased from TCM between July 29th, 1992 and March 30, 1993.	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	
97-26-17 C 1/23/1998	TO PREVENT CRANKSHAFT FAILURE AND SUBSEQUENT ENGINE FAILURE	6/8/2004 108.1	This AD does not apply by the engine serial number.	Recur		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	
2000-08-51 E 4/28/2000	Superseded by 2000-23-21			Once		1. 2. 3. 4.
ⓈATP	ⓈATP			ⓈATP	Signature:	
2000-11-51 E 6/7/2000	Superseded by 2002-13-04			Once		1. 2. 3. 4.
ⓈATP	ⓈATP			ⓈATP	Signature:	
2000-23-21 12/12/2000	To prevent crankshaft connecting rod journal fracture, which could result in total engine power.contd.	6/8/2004 108.1	This AD does not apply, the crankshaft was not manufactured between April 1, 1998 and March 31, 2000	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	
2002-13-04 C 7/12/2002	To prevent engine failure and loss of control of the airplane due to migration of the magneto impulse.contd.	6/8/2004 108.1	This AD does not apply by the magneto serial number.	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	

AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. 4. Author. By
Manufacturer Slick	Category Magnetos	Model 6314	Part #: Serial #: 03030898			
00-00-06 R1 2/27/2006	ATP Advisory for Slick Aircraft Products listed in Teledyne Continental Motors AD 2002-13-04 C	6/14/2006 283.6	This AD does not apply by the magneto serial number.	Once		1. Quality Aviation, Inc. 2. A&P 3. 471960279 4. Gerald L. Spires <i>Gerald L. Spires</i>
ⓈATP	ⓈATP			ⓈATP	Signature:	