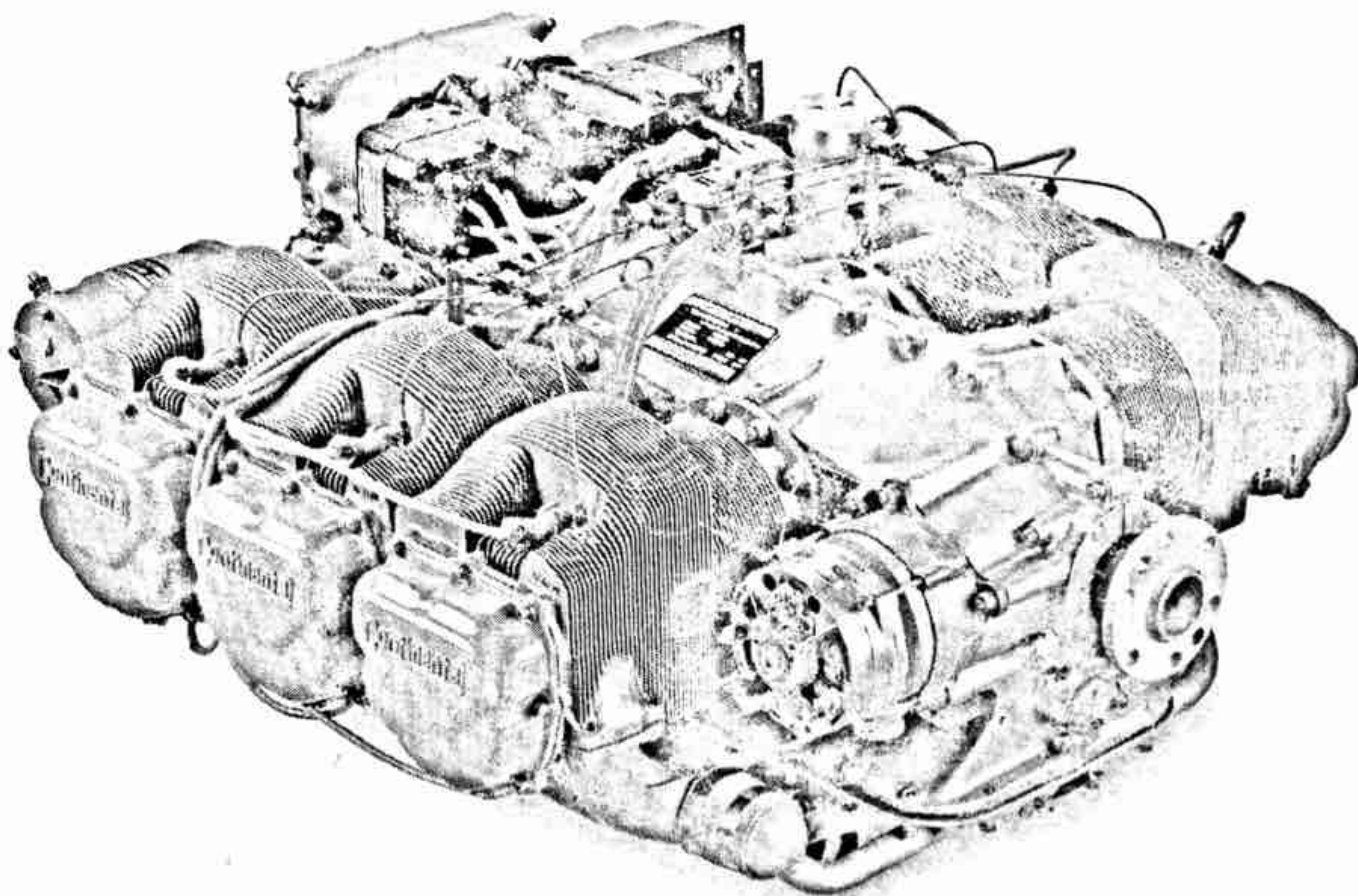


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

All returned engines are to be shipped with this log book
Directly to:

**Engine Return Department
2039 Broad Street
Mobile, AL 36615**

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Production Certificate 508

Printed: 04/22/2009

Engine Model: R-10360ES16B

Serial Number: 1000156

Test Date: 4/20/2009

This engine was manufactured by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

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.	



5-14-2009

S/N 1000156

N777ND

ACTT 1699.5

Hobbs 739.1

TCM IO-360-ES16B

TSMO 0

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- Removed Engine TCM IO-360-ES6 S/N 357498 .
- Installed TCM remanufactured Engine R-IO-360-ES16B S/N 1000156.
- Preoiled engine and serviced with 100W Aero Shell mineral oil.
- Installed new brackett air filter P/N BA-24
- Installed new propeller control P/N 14392-102.
- Installed new prop and throttle control rod ends P/N 11314-003.
- Installed new engine mount kit P/N 17138-001.
- Replaced all hoses from the firewall forward.
- Installed overhauled tach generator P/N 12630-001S
- Tanis oil pan heater installed.
- Baffling repaired as needed.
- Ground run preformed and leak checked okay.
- Fuel pressures, idle and idle mixture adjusted in accordance with the manufactures instructions.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be airworthy.
 Details on file at this agency on Work Order # 5850 Signed Mark Lehrkamp for
 Quest Aviation Inc. CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



7-1-2009

S/N ~~357498~~ 1000156N777ND
Hobbs Time 767.6IO 360-ES16B
TCM ~~10-360ES6~~
TSMO 28.5

- Drained Oil and removed filter and inspected, no discrepancies noted.
- SOAP sample taken
- Serviced with Aero Shell 100W Mineral
- New CH48108 filter installed
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #5908 Signed Mark Lehrkamp for Quest Aviation INC.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



7-23-2009

S/N ~~357498~~ 1000156N777ND
Hobbs Time 772.3IO 360-ES16B
TCM ~~10-360ES6~~
TSMO 33.2

- Adjusted fuel pressures as per TCM SID 97-3
- Adjusted propeller controls as per the Cirrus service information directive.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #5908 Signed Mark Lehrkamp for

Quest Aviation INC.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



9-4-2009

S/N 1000156

N777ND
Hobbs Time 786.7IO 360-ES16B
TCM ~~10-360ES6~~
TSMOH 47.6

- Drained Oil, removed filter and inspected, no discrepancies noted.
- SOAP sample taken
- Serviced with Aero Shell 100W *Phillips 20W 50 m*
- New CH48108 filter installed
- Ground run preformed and leak checked okay.


The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #5957 Signed Mark Lehrkamp for Quest Aviation INC.


CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

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.	
 9-28-2009 S/N 1000156			N777ND Hobbs Time 795		IO 360 ES16A TCM IO-360-ES16A TSMOH 55.9
<ul style="list-style-type: none"> Installed new starter adapter P/N 646220A53. Preformed ground run with no discrepancies noted. 					
The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #5957 Signed <u>Mark Lehrkamp</u> for Quest Aviation INC.					
CRS # OW5R108N		4440 East Hwy 12		Aberdeen, South Dakota	Phone (605) 225-8008


1-12-10
 S/N 1000156

N777ND
 Hobbs 811.3

TCM IO-360-ES16B
 TSFRM 72.2

Engine

- *Drained oil and removed filter. Serviced with 7 qts Phillips 20-50 and CH48108-1 filter. Metal and leak check OK.
- *Collected S.O.A.P sample.

The aircraft and/or component identified were repaired/serviced in accordance with current Federal Aviation Regulations and are approved for return to service. Details on file at this agency on Work Order # 6051 Signed Blake Braun AP2777059

Quest Aviation INC. 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008


6-1-2010
 S/N 1000156

N777ND
 Hobbs 828.7

TCM IO-360-ES16B
 TSMO 89.6

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- AD 2009-24-52E on the hydraulic lifters is N/A by manufacturer date.
- Compression tested 1- 75 2- 72 3-73 4-74 5-75 6-73.
- #5 fuel injector removed, cleaned and reinstalled.
- Baffling repaired as needed.
- Reglued cowling chafe seals to cowling.
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 6154 Signed Mark Lehrkamp for Quest Aviation Inc. CRS # OW5R108N
 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

7-30-10

1969.7 billings

845.5 maint hobs

* Drained oil & removed filter, Serviced w/ 7qts
Phil 20-50 & CH48108-1. Metal & Leak ✓ OK.

* SOAP sample collected

* Installed new Bracket air filter element BA-24.

END

~~Mike S. [Signature]~~ AP2777059

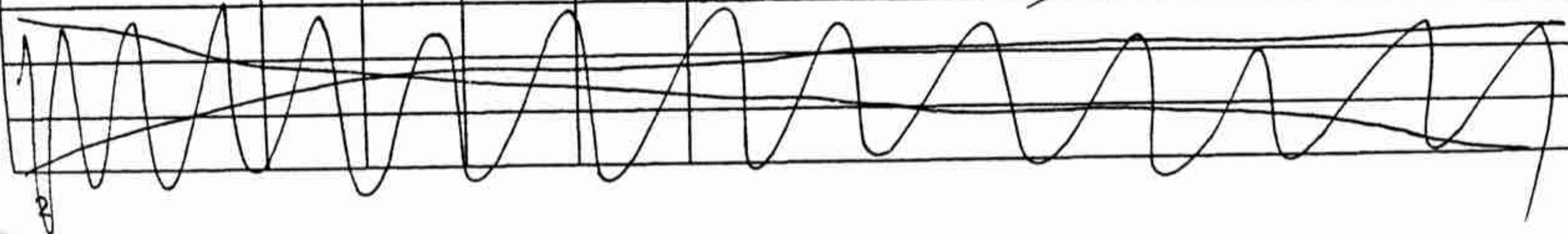
9-23-10

871.0 maint hobs

* Drained oil & removed filter, Serviced w/ 7qts
Phil 20-50 & CH48108-1, Metal & Leak ✓ OK.

* SOAP sample collected

~~Mike S. [Signature]~~ AP2777059



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	→				
3-15-11					* Drained oil & removed filter. Serviced w/ 7qts Phil 20-50 & CH48108-1 filter.
904.5 ⁵ maint hobbs					Metal ✓ filter OK. Leak ✓ OK.
					* SOAP. sample collected.
					<i>Max E. V.</i> AP2777059
					AD2010-14-04 is By/A By build date of Engine. <i>AP</i> AP503907125



7-8-2011
S/N 1000156

N777ND
Hobbs 942.2

TCM IO-360-ES16B
TSMO 203.1

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- Oil drained, filter inspected with no discrepancies noted.
- Installed a new CH48108-1 filter and serviced with Phillips XC 20-50.
- Compression tested 1- 73 2- 75 3-77 4-68 5-74 6-71.
- Secured the #2 cylinder drain hose.
- Installed new BA-24 air filter element.
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 6400 Signed Kevin Braun *Kevin Braun*
 CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota for Quest Aviation Inc
 Phone (605) 225-8008

8-30-11					* Drained oil & removed filter. Serviced w/
975.9 maint					7 qts Phil 20-50 & CH48108-1 filter.
					Metals & leak ✓ OK.
					* SOAP sample collected.
					AP 2777059 AP2777059



11-2-2011
S/N 1000156

N777ND
Hobbs Time 1006.9

TCM IO-360-ES16B
STMOH 267.8

Engine

- Drained oil removed filter and inspected, no discrepancies noted.
- Serviced with Phillips 20-50, camgard, and a CH48108-1 filter.
- Collected S.O.A.P sample.
- Ground run preformed and leak checked ok.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6501 Signed Nick Pierson *[Signature]* AP3344685 for Quest

Aviation INC.

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

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.	


Quest
 AVIATION, INC.

4-13-2012
S/N 1000156

N777ND
Hobbs Time 1038.3

TCM IO-360ES6
TSMOH 299.2

- Drained Oil, removed filter and inspected, no discrepancies noted.
- SOAP sample taken
- New CH48108-1 filter installed with 7 sets of Phillips 20W-50 and camgard.
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6609 Signed Mark Lehrkamp for Quest Aviation INC.
CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008


Quest
 AVIATION, INC.

5-8-2012
S/N 1000156


N777ND
Hobbs 1044.1

TCM IO-360-ES16B
TSMO 203.1

Engine

- Installed tack drive new gasket P/N 649980 and seal P/N 641533 on the engine accessory case. Test ran no leak found.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6617 Signed Mark Lehrkamp for Quest Aviation INC.
CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008


Quest
 AVIATION, INC.

7-13-2012
S/N 1000156

N777ND
Hobbs Time 1077.2

TCM IO-360ES6
TSMOH 338.1

Engine

- Changed oil and filter, Filter inspected with no discrepancies noted.
- Serviced with Phillips XC 20W-50 oil and a new CH 48108-1 oil filter.
- SOAP sample collected and sent to lab.
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6654 Signed Mark Lehrkamp for Quest Aviation Inc. CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



8-8-2012

S/N 1000156

Engine

N777ND
Hobbs 1091.3

TCM IO-360-ES16B
TSMO 352.2

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines.
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1.
- AD 2011-26-07 on the magneto is N/A by model.
- AD 2012-03-06 on the fuel servo is N/A effected part is not installed.
- Compression tested 1- 72 2- 72 3-73 4-65 5-74 6-73.
- Overhauled #2 alternator P/N 653344 S/N K-039998, Aerotech of Louisville CRS PU4R453M
- Installed new BA-24 air filter element.
- Installed new gasket on the oil filler cap.
- Secured propeller cable mounting forward left side of engine.
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on
Work Order # 6665 Signed Mark Lehrkamp for Quest Aviation Inc
CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

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	→				



8-29-2012
S/N 1000156

N777ND
Hobbs Time 1112.1

TCM IO-360ES6
TSMOH 373.0

- Drained Oil, removed filter and inspected, no discrepancies noted.
- SOAP sample taken
- New CH48108-1 filter installed with Phillips 20W-50 and camgard.
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6665 Signed Mark Lehrkamp

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.
Phone (605) 225-8008



1-22-2013
S/N 1000156

N777ND
Hobbs Time 1148.4

TCM IO-360ES6
TSMOH 409.3

- Oil drained, filter inspected with no discrepancies noted.
- Installed a new CH48108-1 filter and serviced with Phillips 20W-50.
- SOAP sample taken
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6760 Signed Mark Lehrkamp

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.
Phone (605) 225-8008



5-8-2013
S/N 1258

N777ND
Hobbs 1176.50

Cirrus SR-20
ACTT 2136.9

Engine

- Installed overhauled #2 Alternator drive coupling assembly P/N 635796, S/N DRK116894 from Drake Air Inc WO# 481415/50004771.
- Installed repaired #2 Alternator P/N 653344, S/N K-039998 from Aerotech of Louisville, Inc WO #106283.
- Function and leak check complete with no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6831 Signed Andy Griese

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.
Phone (605) 225-8008



6-4-2013
S/N 1000156

N777ND
Hobbs Time 1184.9

TCM IO-360ES6
TSMOH 445.8

- Oil drained, filter inspected with no discrepancies noted.
- Installed a new CH48108-1 filter and serviced with Phillips 20W-50.
- SOAP sample taken
- Ground run preformed and leak checked okay.



The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6847 Signed Nick Pierson


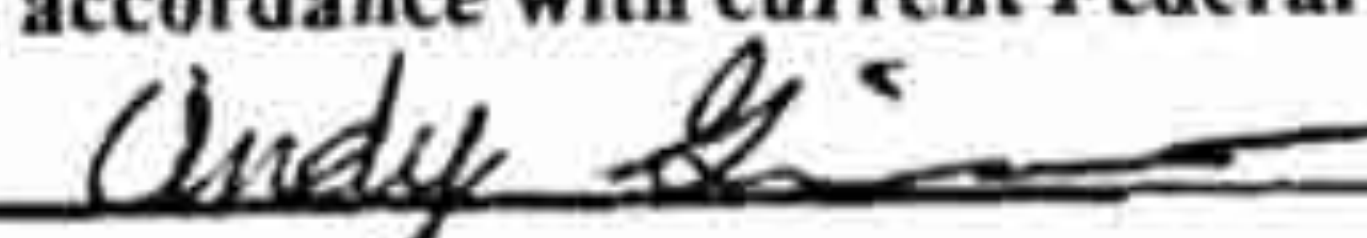
CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.
Phone (605) 225-8008

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.	
BI 	9-3-2013		N777ND		TCM IO-360-ES16B
	S/N 1000156		Hobbs 1206.6		TSMO 467.5
Engine					
<ul style="list-style-type: none"> Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1 Compressions: #1 74 #2 72 #3 72 #4 70 #5 68 #6 72/80 Installed #5 intake tube gasket P/N 654227 Installed #2 cylinder push-rod tube gaskets P/N 630286 and P/N 534610 Installed new BA-24 air filter element. Grounds run preformed and leak checked okay. 					
I certify that this <u>Engine</u> has been inspected in accordance with <u>an Annual</u> Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 6899 Signed <u>Andy Griese</u>  for Quest Aviation Inc CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008					

	9-4-2013		N777ND		TCM IO-360-ES16B
	S/N 1000156		Hobbs Time 1218.4		TSMO 479.3
Engine					
<ul style="list-style-type: none"> Drained oil, removed filter and inspected, no discrepancies noted. Serviced engine with 7qts Phillips XC 20w-50, camgard and CH48108-1 filter. Soap sample taken and sent to lab. Ground run and leak check performed with no discrepancies noted. 					
The aircraft and/or component identified was <u>repaired/serviced</u> in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 6908 Signed <u>Andy Griese</u>  for Quest Aviation INC. CRS #OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008					



5-12-14

S/N 1000156

N777ND

Hobbs Time 1251.0

TCM IO-360-ES16B

TSMO 511.9

Engine

- Drained oil, removed filter and inspected, no discrepancies noted.
- Serviced engine with 7qts Phillips XC 20w-50, camgard and CH48108-1 filter.
- Soap sample taken and sent to lab.
- Ground run and leak check performed with no discrepancies noted.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7041 Signed Andy Gries for Quest Aviation INC.

CRS #OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



8-21-2014

S/N 1000156

N777ND

Hobbs Time 1284.5

TCM IO-360-ES16B

TSMO 545.4

Engine

- Drained oil, removed filter and inspected, no discrepancies noted.
- Serviced engine with 7qts Phillips XC 20w-50, camgard and CH48108-1 filter.
- Soap sample taken and sent to lab.
- Ground run and leak check performed with no discrepancies noted.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7091 Signed Mark Lehrkamp for Quest Aviation INC.

CRS #OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008

Brought Forward



10-28-2014
S/N 1000156

N777ND
Hobbs 1306.5

TCM IO-360-ES16B
TSMO 567.4

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1
- Compressions: #1 74 #2 70 #3 72 #4 68 #5 74 #6 74/80
- #4 and #6 cylinders repaired by Bolduc Aviation Specialized Services INV 14-09119
- Installed new baffle retainer on #2 and #4 cylinders.
- Drained oil, removed filter and inspected, no discrepancies noted.
- Serviced engine with Aero-shell W80 Mineral and CH48108-1 filter.
- Installed new BA-24 air filter element.
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7113 Signed Mark Lehrkamp for Quest Aviation Inc
CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



10-31-2014
S/N 1000156

N777ND
Hobbs 1318.3

TCM IO-360-ES16B
TSMO 579.2

Engine

- Changed oil and filter, serviced engine with 8qts Phillips XC 20w-50 and installed new CH48108-1 filter. Filter inspected, no discrepancies noted.
- Ground run and leak check complete with no discrepancies noted.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order # 7113 Signed Mark Lehrkamp for Quest Aviation INC. CRS OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



02-20-2015
S/N 1000156

N777ND
Hobbs Time 1347.8

TCM IO-360ES6
TSMOH 608.7

- Drained Oil, removed filter and inspected, no discrepancies noted.
- SOAP sample taken
- Serviced with Phillips XC20/50
- New CH48108 filter installed
- Serviced with cam-guard
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #7192 Signed Mark Lehrkamp for Quest Aviation INC. CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



4-14-2015
S/N 1000156

N777ND
Hobbs Time 1391.3

TCM IO-360ES6
TSMOH 652.2

- Drained Oil, removed filter and inspected, no discrepancies noted.
- SOAP sample taken
- Serviced with Phillips XC20/50
- New CH48108 filter installed
- Serviced with cam-guard
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #7218 Signed Mark Lehrkamp for Quest Aviation INC. CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

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 →					



5-15-2015
S/N 1000156

N777ND
Hobbs Time 1432.9

TCM IO-360ES6
TSMOH 693.8

Engine

- Drained Oil, removed filter and inspected. No discrepancies noted at this time.
- SOAP sample taken and sent to lab for analysis.
- Serviced with Phillips XC20/50 and Serviced with cam-guard
- New CH48108 filter installed
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service.

Details on file at this agency on Work Order #7232 Signed Mark Lehrkamp

for Quest Aviation INC.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



8-5-2015
S/N 1000156

N777ND
Hobbs Time 1462

TCM IO-360ES6
TSMOH 722.9

Engine

- Drained Oil, removed filter and inspected. No discrepancies noted at this time.
- SOAP sample taken and sent to lab for analysis.
- Serviced with Phillips XC20/50 and Serviced with cam-guard
- New CH48108 filter installed
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was *repaired/serviced* in accordance with current Federal Aviation Regulations and is approved for return to service.

Details on file at this agency on Work Order #7270 Signed Mark Lehrkamp

for Quest Aviation INC.

CRS # OW5R108N

4440 East Hwy 12

Aberdeen, South Dakota

Phone (605) 225-8008



10-9-2015
S/N 1000156

N777ND
Hobbs 1477.7

TCM IO-360-ES16B
TSMO 738.6

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1
- Compressions: #1 72 #2 69 #3 72 #4 75 #5 79 #6 77/80
- Installed new BA-24 air filter element.
- Magnetos 500 hour inspection completed - P/N S6LSC-25 (BL-500556-3) S/N's D09CA085R and D09CA083R, By Aircraft Electrical Components, INC CRS S7HR883J.
- Magnetos reinstalled and timed.
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7289 Signed Mark Lehrkamp for Quest Aviation Inc
CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



3-1-2016
S/N 1000156

N777ND
Hobbs Time 1488.2

TCM IO-360ES6
TSMOH 739.1

Engine

- Drained Oil, removed filter and inspected. No discrepancies noted at this time.
- SOAP sample taken and sent to lab for analysis.
- Serviced with Phillips XC20/50 and Serviced with cam-guard
- New CH48108 filter installed
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service.

Details on file at this agency on Work Order #7377 Signed Mark Lehrkamp

CRS # OW5R108N


4440 East Hwy 12

Aberdeen, South Dakota

for Quest Aviation INC.

Phone (605) 225-8008

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					



11-23-2016
 S/N 1000156


N777ND
 Hobbs 1519.6

TCM IO-360-ES16B
 TSMO 780.5

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1
- Compressions: #1 72 #2 69 #3 72 #4 75 #5 79 #6 77/80
- #4 and #6 intake pipe gaskets replaced P/N 654227
- Secured the #5 EGT probe.
- Installed new BA-24 air filter element.
- Cleaned air oil separator
- Drained Oil, removed filter and inspected with no discrepancies noted at this time.
- SOAP sample taken and sent to lab for analysis.
- Serviced with Phillips XC20/50 with cam-guard
- New CH48108 filter installed
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7509 Signed Mark Lehrkamp for Quest Aviation Inc
 CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota 57401 Phone (605) 225-8008



6-29-2017
 S/N 1000156


N777ND
 Hobbs Time 34.5

TCM IO-360ES6
 TSMOH 815.0

Engine

- Drained Oil, removed filter and inspected. No discrepancies noted at this time.
- SOAP sample taken and sent to lab for analysis.
- Serviced with 7 qts Phillips XC20/50 and Serviced with cam-guard
- New CH48108 filter installed
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #7627 Signed Mark Lehrkamp for Quest Aviation INC.
 CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008



11-20-2017
 S/N 1000156

N777ND
 Hobbs Time 68.4

TCM IO-360ES6
 TSMOH 848.9

Engine

- Drained Oil, removed filter and inspected. No discrepancies noted at this time.
- SOAP sample taken and sent to lab for analysis.
- Serviced with 7 qts. Phillips XC20/50 and Serviced with cam-guard
- New CH48108 filter installed
- Ground run preformed and leak checked okay.

The aircraft and/or component identified was repaired/serviced in accordance with current Federal Aviation Regulations and is approved for return to service. Details on file at this agency on Work Order #7702 Signed Nick Pierson for Quest Aviation INC.
 CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota 57401 Phone (605) 225-8008

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.	



8-9-2019
S/N 1000156

N777ND
Hobbs 104.3

TCM IO-360-ES16B
TSMO 884.8

Engine

- Completed an Annual Inspection IAW FAR Part 43 Appendix D and the Mfg.'s inspection guide lines
- AD 2008-11-18 on the heat exchanger complied with by inspection in accordance with SB 2X-78-07 R1
- Compressions: #1 70 #2 69 #3 57 #4 74 #5 79 #6 75/80
- Drained oil, removed filter and inspected.
- SOAP sample taken and sent to lab for analysis.
- Serviced with 6 qts. Phillips XC20/50 and Serviced with cam-guard
- New CH48108 filter installed
- Replaced #2 & #4 top spark plugs P/N RHM38S
- Installed new BA-24 air filter element.
- Installed overhauled starter adapter P/N 646220A53 S/N WSW055835 - Western Skyways, inc - Montrose, CO - WO# W055835 - CRS# WS9R575J
- Grounds run preformed and leak checked okay.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be airworthy. Details on file at this agency on Work Order # 7975 Signed Mark Lehrkamp
CRS # OW5R108N 4440 East Hwy 12
Aberdeen, South Dakota 57401 for Quest Aviation Inc
Phone (605) 225-8008

Cross Country Aviation
TCM: IO-360-ES
SN: 1000156

N777ND
Hobbs: 120.8
Date: 12-05-2019

Changed oil and filter. Opened old filter to check for metal. No metal was found. Installed a new CH48-108-1 oil filter. Serviced engine with 7 quarts of Aeroshell 100 W 50 and 11.2 ounces of Camgaord oil additive. Run leak and ops check ok. Return to service. End.

Josh Hoffman

A & P 3090168

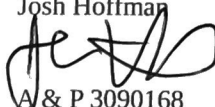
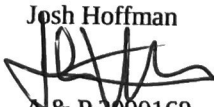
Cross Country Aviation
Cirrus SR20
SN: 1258

N777ND
Hobbs: 137.0
Date: 04-10-2020

Installed an overhauled right mag PN 10-500556-3, SN H-07313. Checked mag to engine timing. Ops check ok. Return to service. End.

Josh Hoffman

A & P 3090168

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					
					Cross Country Aviation TCM: IO-360-ES SN: 1000156 N777ND Hobbs: 146.0 Date: 06-03-2020 Changed oil and filter. Opened old filter to check for metal. No metal was found. Installed a new CH48-108-1 oil filter. Serviced engine with 7 quarts of Aeroshell 100 W 50 and 11.2 ounces of Camgaurd oil additive. Run leak and ops check ok. Return to service. End. <div style="text-align: right;"> Josh Hoffman  A & P 3090168 </div>
					Cross Country Aviation TCM IO-360-ES S/N: 1000156 Date: 08-01-2020 N777ND Hobbs: 146.3 TSMOH: 926.8 100 hour inspection completed IAW the engine service manual. Cleaned fuel screen. Lubed all controls. Checked mag to engine timing. Cleaned, gapped and rotated spark plugs. Compressions are as follows: #1 70/80, #2 70/80, #3 70/80, #4 74/80, #5 76/80, #6 75/80. Changed oil filter. Opened filter to check for metal, no metal found. Installed a new CH48-108-1 oil filter. All work completed IAW the engine service manual. Washed engine. Aircraft run leak and ops check ok. I certify that this engine has been inspected IAW a 100 hour inspection and was found to be in airworthy condition. End. <div style="text-align: right;"> Josh Hoffman  A & P 3090168 </div>

Engine
page 1 of 1

N777ND
 HOBBS: 155.6

Continental, IO-360-ES, S/N: 1000156
 TSMOH: 936.1

November 01, 2021

Completed Engine Annual Inspection/service IAW Part 43 Appendix d and Cirrus Service manual checklist. All AD's complied with IAW latest AD report and bi-weekly update. Compressions on cylinders are as follows: #1/63, #2/68, #3/62, #4/67, #5/65, #6/70 all over 80 psi. Engine oil drained and reserviced with 7 Quarts of 20W-50. Engine oil filter removed and replaced with AA48108-2. Old filter cut open and checked for contaminants no defects found. Spark plugs removed, cleaned, gapped, and tested before re-installation. Removed, cleaned, inspected, and installed fuel injection nozzles. ALL maintenance performed IAW Cirrus Maintenance and service manuals. Engine ground run-up completed with no leaks or defects noted. I certify that this engine has been inspected IAW an Annual inspection With respect to the work performed, this engine is approved for return to service.

Steve McDaniel A&P IA 2738628
