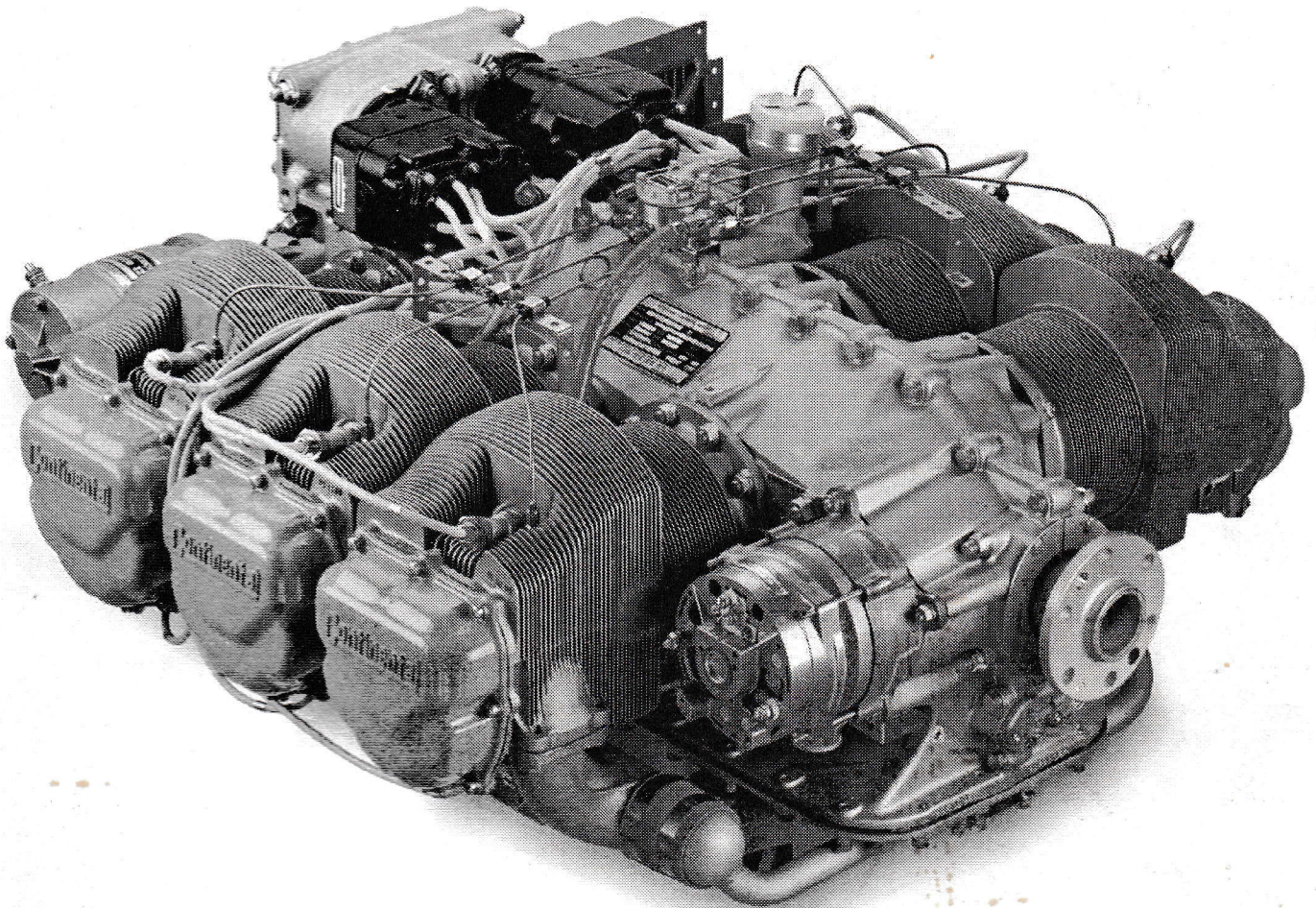


ENGINE LOG BOOK



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.	



Air Plains Services
 Wellington Airport
 Wellington, KS 67152
 CRS #MNYR085K

Work Order#: 030410
 N#: 42818
 Tach: 3385.97
 Date: 09/02/05

Engine Log

Installed Continental IO-520-D Engine, 0.0 TOTAL TIME SFRM. Installed Hartzell PHC-L3YF-1RF Scimitar Propeller, 0.0 TOTAL TIME SINCE NEW. Modifications performed in accordance with AIR PLAINS SERVICES, CORP. STC SA00152W1. Engine oil drained and replenished with Phillips 20/50 mineral oil. Filter opened and inspected following 5 hrs flight time. For details of modifications performed, reference FAA Form 337, Dated: 09/02/05

Engine Serial #: 832463
 Alternator Serial #: F012110
 Governor Serial #: 050326

RH Mag Serial #: F05EA100R
 LH Mag Serial #: F05EA159R
 Starter Serial #: 04 89 0131

This Engine was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.
 Signed MBP Inspector

AEROVENTURE

561 Sky Ranch Dr. Petaluma, Ca. 95954 (707) 778-6767
 N42818

Date: 9/8/06 Tach: 3519.84 TTIS: 133.87

Changed oil and filter. Cut open filter and inspected. No metal found. Cleaned oil screen. No metal found. Serviced engine with 12 qts. of Aero Shell 15W50. Performed compression check, #1 73/80 #2 75/80 #3 73/80 #4 75/80 #5 73/80 #6 75/80. Checked mag timing. Inspected, serviced and rotated spark plugs. Ground run and leak check ok. All work done in accordance with manufacturers maintenance manuals.

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

Michael L Wilson
 MICHAEL L WILSON AP5699355801A

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	→				

AEROVENTURE

561 Sky Ranch Dr. Petaluma, Ca. 95954 (707) 778-6767
N42818

Date: 6/27/07 Tach: 3620.61 TTIS: 234.64

Changed oil and filter. Cut open filter and inspected. No metal found. Cleaned oil screen. No metal found. Serviced engine with 12 qts. of Aero Shell 15W50. Performed compression check, #1 73/80 #2 75/80 #3 69/80 #4 72/80 #5 69/80 #6 75/80. Checked mag timing. Inspected, serviced and rotated spark plugs. Ground run and leak check ok. All work done in accordance with manufacturers maintenance manuals.

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

X 
Peter J. Bradley IA626768853

ENGINE MODEL: IO-520-D
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 12476



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848


DATE: 7/25/2008
A/C TSN: 3748.5
ENG TT: 362.53
TACH: 3748.5

Engine Entries

100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, oil screen removed, inspected, (no metal particles) and installed. Oil serviced to 10 Qts. with Shell 15W-50 oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 43/80. Cylinder 1- 60/80, 2-64/80, 3-66/80, 4-64/80, 5-68/80, 6-68/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 22 degrees BTC, cylinder #1. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks. See following corrected discrepancies.... Magneto right timed to 22 degrees BTDC. Operation and leak check satisfactory.... Engine induction system forward cross over tube attached to support bracket with worm drive clamp.... Engine oil cooler upper baffle sealed with rubber channel.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 7/25/2008

SIGNED: 
John O'Connell, A&P: 560514655 IA

Work Order: 12476

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: IO-520-D
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 12875



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848
Email: info@mangonaircraft.com

DATE: 8/5/2009
A/C TSN: 3847.84
ENG TT: 461.87
TACH: 3847.84

Engine Entries

100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, oil screen removed, inspected, (no metal particles) and installed. Oil serviced to 11 Qts. with Shell 15W-50 oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 41/80. Cylinder 1- 64/80, 2-61/80, 3-52/80, 4-58/80, 5-50/80, 6-61/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 24 degrees BTC, cylinder #1. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks. See following corrected discrepancies.... EGT probe cylinder #5 re-positioned to prevent chaffing into intake pipe.... Alternator and Alternator mount removed by removing heat shield on exhaust and loosening all engine mount bolts. Alternator and mount sent out to be re bushed. Engine mount installed, all mount bolts removed to install lock washers, bolts torque to 535 in lb. Installed alternator and connected to associated wiring. Tensioned alternator belt and saftied. Ground operation of alternator satisfactory... Cylinder #4 intake stack removed and sent out for welding. Intake stack installed in original location and re-positioned carburator heat collector to prevent further damage. Installed clamp around exhaust and attached to collector to hold it in place.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 8/5/2009

SIGNED: *John O Connell*
John O Connell, A&P: 560514655 IA

Work Order: 12875

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-520-D
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 13611



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 03 October, 2011
A/C TSN: 4037.56
ENG TT: 651.59
TSMOH:
TACH: 4037.56

Engine Entries

Engine completed an Annual/100 Hour inspection and service using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, Oil filter changed. Oil serviced to 11 Qts. with Shell 100 mineral oil for cylinder break-in period. Complied with TCM SB03-3, Differential Pressure Test, baseline of 48/80. Cylinder 1- 34/80, 2-09/80, 3-54/80, 4-63/80, 5-58/80, 6-49/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 22 degrees BTC, cylinder #1. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks. See following corrected discrepancies.... Spark plugs removed and replaced. Torqued to 360 in. lbs.... Magneto left Sn. BL-349350-4 and magneto right Sn. BL-349350-5 removed for 500 hour service and inspection interval per TCM/Bendix Service Manual X40000, section for S-1200 series. Carbon brushes removed and replaced. Magneto Rt. distributor block removed and replaced. Internally timed. Re-installed in original locations and timed to engine at 22 degrees BTDC cylinder #1. Leak and ops check good.... Cylinders #1, #2, & #6 removed and replaced. Exhaust, induction systems, baffling and fuel injector lines removed for access. Re-installed cylinders after overhaul by FAA Approved Repair Station TV3R881L in original locations. Cylinder base nuts lube torqued to 510 in. lbs. Through studs lube torqued to 810 in. lbs. each side. Dry valve clearance checked within limits of go-no-go gauge. Initial ground run up completed. Compressions after initial run-up cylinder #1-66/80, #2-72/80 and #6-70/80. Leak and ops check good.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 03 October, 2011

SIGNED: *Michael Tillman*
Michael Tillman, A&P: 2845176 IA

Work Order: 13611

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-520-D
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 13732



Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 29 December, 2011
A/C TSN: 4053.85
ENG TT: 667.88
TSMOH:
TACH: 4053.85

Engine Entries


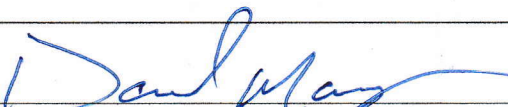

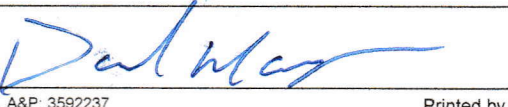

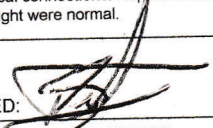

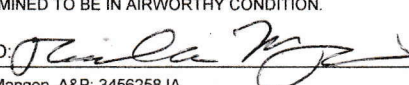
Oil changed. Oil filter replaced. Old oil filter cut open and inspected, nothing found. Engine washed and serviced with Aeroshell 15W-50. Engine ground operated, checked O.K.... Complied with TCM SB03-3, Differential Pressure Test, baseline of 44/80. Cylinder 1-72/80, 2-70/80, 3-50/80, 4-60/80, 5-56/80, 6-70/80.

DATE: 29 December, 2011

SIGNED: *Vicente Salinas*
Vicente Salinas, A&P: 3588922

Work Order: 13732

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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 →					
<div> <div> ENGINE MODEL: IO-520-D ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 13883 </div> <div>  Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div> DATE: 08 June, 2012 A/C TSN: 4089.96 ENG TT: 703.99 TSMOH: TACH: 4089.96 </div> </div>					
Engine Entries Oil changed and sample taken. Oil filter replaced. Old oil filter cut open and inspected, nothing found. Engine washed and serviced with Aeroshell 15W-50. Engine ground operated, checked O.K.					
DATE: 08 June, 2012 SIGNED:  Work Order: 13883 David Mangon, A&P: 3592237 Printed by EBis 3 (datcomedia.com)					
<div> <div> MAKE: Cessna MODEL: 182L S/N: 18259203 REG. NO: 42818 WORK ORDER: 13883 </div> <div>  Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div> DATE: 08 June, 2012 A/C TSN: 4089.96 TACH: 4089.96 </div> </div>					
Airframe Entries ITEM MOVED TO AIRFRAME LOG BOOK Connection for cylinder #2 JPI CHT and EGT connections cleaned. Operational check satisfactory.					
DATE: 08 June, 2012 SIGNED:  Work Order: 13883 David Mangon, A&P: 3592237 Printed by EBis 3 (datcomedia.com)					
<div> <div> MAKE: Cessna MODEL: 182L S/N: 18259203 REG. NO: 42818 WORK ORDER: 13991 </div> <div>  Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div> DATE: 01 September, 2012 A/C TSN: 4119.66 TACH: 4119.66 </div> </div>					
Airframe Entries ITEM MOVED TO AIRFRAME LOG BOOK Removed left wing tip to gain access to electrical connections. Replaced broken left nav/strobe parts as needed. Reinstalled wing tip. Operational check on Strobe, Nav and Wing Tip Reconnection Light were normal.					
DATE: 01 September, 2012 SIGNED:  Work Order: 13991 Vicente Salinas, A&P: 3586922 Printed by EBis 3 (datcomedia.com)					
<div> <div> ENGINE MODEL: IO-520-D ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 14067 </div> <div>  Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div> DATE: 09 November, 2012 A/C TSN: 4146.69 ENG TT: 760.72 TSMOH: TACH: 4146.69 </div> </div>					
Engine Entries 100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, oil filter removed, inspected, (no metal particles) and installed new filter. Oil serviced to 11 Qts. with Shell 15W-50 oil and Cam Guard. Complied with TCM SB03-3, Differential Pressure Test, baseline of 42/80. Cylinder 1- 60/80, 2-63/80, 3-50/80, 4-53/80, 5-64/80, 6-62/80. TCM MSB94-8A complied with for magnetos for timing. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks.... A.D. 2012-03-06 eff. date 02/24/2012 Fuel Injector Servo to prevent an in-flight shutdown due to a failed fuel servo diaphragm is not applicable to date as indicated in Avstar Fuel System Service Bulletin AFS-SB6 R2.... Swapped fuel injector nozzles from cylinders number 2 and 6 per customers request.					
ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.					
DATE: 09 November, 2012 SIGNED:  Work Order: 14067 Ronald Mangon, A&P: 3456258 IA 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 →					

PROP MODEL:
PHC-L3YF-1RF/F7691
PROP S/N: FD524B
REG. NO: 42818
WORK ORDER: 14067



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 09 November, 2012
A/C TSN: 4146.69
PROP TT: 760.72
TACH: 4146.69

Prop Entries

ITEM MOVED TO PROP LOG BOOK

Completed a 100 Hour inspection and service on propeller using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Inspection requirements of Section II, Blades cleaned, inspected, dressed out nicks and profiled leading edges as required. Track checked propeller. Blade backs painted and hub service with Aeroshell 6 grease.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 09 November, 2012

SIGNED:

Work Order: 14067

Ronald Mangon, A&P: 3456258 IA

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 182L
S/N: 18259203
REG. NO: 42818
WORK ORDER: 14067



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 09 November, 2012
A/C TSN: 4146.69
TACH: 4146.69

Airframe Entries

ITEM MOVED TO AIRFRAME LOG BOOK

Aircraft was inspected for compliance of FAR 91.409 (a) (1). Inspected and Serviced using, a checklist with those items extracted from the manufactures inspection guidelines, Cessna Service Manual D637-13, 01, Sep. 1968, (TR5, 07 Oct. 2002) Section II, which meets the requirements, scope and detail of FAR 43.13, Appendix D.... ELT removed, complied with AC 43-1-1B, Sec. 12-22, a, thru f. ELT meets FAR91.207 (d) requirements. ELT installed in original location with switch armed. Next inspection and battery replacement date due 7/2013.... A.D. 2011-10-09 Eff. dated 06/17/2011, Admt. 39-16690. Cessna Seats and Seat Tracks Complied with Paragraph's (e) through (g). Inspection will be due again, Date of 11/30/13 or at 4246.69 TT Hrs.... Engine air filter replaced I/A/W continued airworthiness instructions per Brackett Air filter Document I-194.... Adjust governor RPM to 2850 at full power.... CHT on cylinder number 5 trouble shot with Alcat 2000. Found that probe is good. Cleaned up connections. Operation check good.... Headset jacks for pilot & co-pilot re-installed and torqued into holder.... Vacuum pressure gauge hoses and proper connections check. No discrepancies noted. Check valves for primary and secondary pumps, operational and visual inspection satisfactory. Cleaned vacuum system regulator. Adjusted pressure to 5.0 in. HG and safited. Operational check of both pumps satisfactory.... Window trim edge seal on pilots door placed back into place.... Fuel gauges removed from panel. Needle moved from full position when gauges being manipulated out. Installed gauge reads empty with master on.... Cabin Heat box (fiberglass) at firewall repaired with metal circle strip riveted in and fiberglass epoxy.... Riv-nuts for both wing root panels removed and replaced with new.... Brake linings replaced on left main wheel, brake linings conditioned I/A/W Cleveland conditioning procedures.... Alternator belt replaced. Operations check good.... Complimentary aircraft belly de-greased, exterior wash, interior vacuumed and windows cleaned with Annual Inspection from Mangon Aircraft, Inc.

AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO IN AIRWORTHY CONDITION.

DATE: 09 November, 2012

SIGNED:

Work Order: 14067

Ronald Mangon, A&P: 3456258 IA

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 182L
S/N: 18259203
REG. NO: 42818
WORK ORDER: 14129



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 18 January, 2013
A/C TSN: 4158.55
TACH: 4158.55

Airframe Entries

ITEM MOVED TO AIRFRAME LOG BOOK

Nose wheel assembly removed and static balanced, added one (1) gram wheel weight. Nose landing gear shimmy dampner removed. Installed FAA/PMA shimmy dampner Pn. SE1068-5, S/N: LKD1378. Aircraft High Speed Taxi Checked at 60 MPH. All checked satisfactory, no nose wheel shimmy.... Nose wheel pant removed, cleaned, and repaired. Installed new nose wheel bolt.

DATE: 18 January, 2013

SIGNED:

Work Order: 14129

Ronald Mangon, A&P: 3456258 IA

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-520-D
ENGINE S/N: 832453
REG. NO: 42818
WORK ORDER: 12956



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 04 November, 2009
A/C TSN: 3881.47
ENG TT: 495.5
TSMOH:
TACH: 3881.47

Engine Entries

A.D. 2009-19-07 Eff. 10/7/2009 Not applicable due to MSB09-1B Section 1 Step 1 "Cylinders Installed On Engine" Para. 2 (b) number casting marks are present #1 649166AE #2 649166AF #3 649166AE #4 649166AE #5 649166AE #6 649166AF, this indicated these cylinders are not affected by MSB09-1B and no further action is required. MSB09-1B complied with.

DATE: 04 November, 2009

SIGNED:


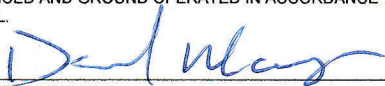

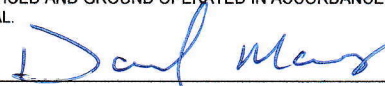




Work Order: 12956

John O'Connell, A&P: 3564328 IA

Printed by EBis 3 (datcomedia.com)

Out of Sequence

Out of Sequence

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.	
Brough	ENGINE MODEL: IO-520-D ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 14295		 Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848		DATE: 14 June, 2013 A/C TSN: 4158.55 ENG TT: 772.58 TSMOH: TACH: 4158.55
Engine Entries 50-Hour service and inspection on engine completed using inspection guide. Oil and oil filter changed. Spark plugs cleaned, gaped, tested and rotated. Engine washed and serviced with Aeroshell 15W-50. Operation and leak check good.					
THE ABOVE ITEM HAS BEEN INSPECTED, SERVICED AND GROUND OPERATED IN ACCORDANCE WITH GUIDE FOR A 50-HOUR SERVICE / INSPECTION. ALL SYSTEMS CHECKED NORMAL.					
DATE: 14 June, 2013		SIGNED: 		Work Order: 14295	
		David Mangon, A&P: 3592237		Printed by EBis 3 (datcomedia.com)	
	PROP MODEL: PHC-L3YF-1RF/F7691 PROP S/N: FD524B REG. NO: 42818 WORK ORDER: 14295		 Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848		DATE: 14 June, 2013 A/C TSN: 4158.55 PROP TT: 772.58 TACH: 4158.55
Prop Entries <i>ITEM MOVED TO PROP LOG BOOK</i> 50-Hour service and inspection on propeller completed using inspection guide. Propeller blades inspected and tracked.					
THE ABOVE ITEM HAS BEEN INSPECTED, SERVICED AND GROUND OPERATED IN ACCORDANCE WITH GUIDE FOR A 50-HOUR SERVICE / INSPECTION. ALL SYSTEMS CHECKED NORMAL.					
DATE: 14 June, 2013		SIGNED: 		Work Order: 14295	
		David Mangon, A&P: 3592237		Printed by EBis 3 (datcomedia.com)	
	MAKE: Cessna MODEL: 182L S/N: 18259203 REG. NO: 42818 WORK ORDER: 14295		 Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848		DATE: 14 June, 2013 A/C TSN: 4158.55 TACH: 4158.55
Airframe Entries <i>ITEM MOVED TO AIRFRAME LOG BOOK</i> 50-Hour service and inspection on airframe completed using inspection guide. Serviced tires, battery and brake reservoir. All outside hinge and bearing points lubricated.... Heat shield for engine mount on right side of engine removed and repaired, installed in original location.					
THE ABOVE ITEM HAS BEEN INSPECTED, SERVICED AND GROUND OPERATED IN ACCORDANCE WITH GUIDE FOR A 50-HOUR SERVICE / INSPECTION. ALL SYSTEMS CHECKED NORMAL.					
DATE: 14 June, 2013		SIGNED: 		Work Order: 14295	
		David Mangon, A&P: 3592237		Printed by EBis 3 (datcomedia.com)	
	ENGINE MODEL: IO-520-D ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 13218		 Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848		DATE: 06 August, 2010 A/C TSN: 3937.24 ENG TT: 551.27 TSMOH: TACH: 3937.24
Engine Entries 100 Hour inspection and service completed on engine, using a checklist with those items extracted from the manufactures inspection guidelines, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II, which meets the requirements, scope and detail of FAR 43.13, Appendix D. Engine Compartment. Oil drained, oil filter removed, inspected, (no metal particles) and installed. Oil serviced to 10 Qts. with Shell 15W-50 oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 46/80. Cylinder 1- 58/80, 2-68/80, 3-62/80, 4-64/80, 5- 69/80, 6- 67/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 24 degrees BTC, cylinder #1. Fuel injectors removed cleaned, inspected, and re-installed. Fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks. See following corrected discrepancies.... A.D. 2009-16-03 eff. date 09/09/2009 Superior Air Parts Investment Cast Cylinder Assemblies to prevent the separation of the cylinder head. Not applicable due to TCM cylinders installed, Pn. 649166 AE installed.... A.D. 2009-19-07, effective date 10/7/2009, To prevent loss of engine power due to cracks in cylinder head, possible engine failure, and fire in the engine compartment. Complied with by compliance of MSB09-1B, I/A/W Step 1 Cylinder Installed On Engine para. 1 & 2 a thru b. Casting marks visible, 649166 AE present on all cylinders, A.D. does not apply.... A.D. 2010-11-04 eff. date 06/16/2010, Continental Engine to address rapid wear on the face of hydraulic lifters. No applicable due to date of manufacturer and no lifters changed between specified.... Engine right magneto timed to 22 degrees. Operational and leak check satisfactory.... Adjusted idle mixture rod end to contact IC and Full Rich. Saffied nut and operational check satisfactory.					
ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.					
DATE: 06 August, 2010		SIGNED: 		Work Order: 13218	
		John O Connell, A&P: 3564328 IA		Printed by EBis 3 (datcomedia.com)	

ENGINE MODEL: IO-520-D
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 14493



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 13 December, 2013
A/C TSN: 4228.3
ENG TT: 842.33
TSMOH:
TACH: 4228.3

ance Record

Special Inspections,

Engine Entries

100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II, Engine Compartment. Oil drained, oil filter removed, inspected, (no metal particles) and CH48109-1 installed. Oil serviced to 10 Qts. with Aeroshell 15W-50 oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 40/80, Cylinder 1- 71/80, 2-72/80, 3-60/80, 4-60/80, 5-70/80, 6-72/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 22 degrees BTC, cylinder #1. Injection nozzles removed and ultra sonic cleaned. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked, no leaks. See following discrepancies.... Installed Install GAMI fuel injector I/A/W STC SE09217SC and GAMI installation instructions. Placards installed per instructions and FAA form 337 filled out installation of GAMI fuel injector nozzles. Checked fuel pressures I/A/W Continental SID 97-3F.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 13 December, 2013

SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 14493

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MAKE: Cessna
MODEL: 182L
S/N: 18259203
REG. NO: 42818
WORK ORDER: 14551



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 11 February, 2014
A/C TSN: 4239.39
TACH: 4239.39

Airframe Entries

EGT probe for cylinder # 2 removed and replaced with new. Connections cleaned and operational check satisfactory.

DATE: 11 February, 2014

SIGNED:

John O Connell, A&P: 3564328 IA

Work Order: 14551

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-520-D
(187)
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 14551



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 11 February, 2014
A/C TSN: 4239.39
ENG TT: 853.42
TSMOH:
TACH: 4239.39

Engine Entries

Gami injectors for cylinder numbers 1,2, and 6 removed and replaced with new flow injectors. Engine ground operated. Leak check satisfactory.

DATE: 11 February, 2014

SIGNED:

John O Connell, A&P: 3564328 IA

Work Order: 14551

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-520-D
(187)
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 14603



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 11 April, 2014
A/C TSN: 4246.56
ENG TT: 860.59
TSMOH:
TACH: 4246.56

Engine Entries

Installed Install GAMI fuel injector I/A/W STC SE09217SC and GAMI installation instructions. Kit Sn. 21660. Placards installed per instructions. Checked fuel pressures I/A/W Continental SID 97-3F.

DATE: 11 April, 2014

SIGNED:

David Mangon, A&P: 3582237

Work Order: 14603

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-520-D
(187)
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 14603



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 16 May, 2014
A/C TSN: 4256.63
ENG TT: 870.66
TSMOH:
TACH: 4256.63

Engine Entries

Installed Install GAMI fuel injector nozzles on cylinders #1 (GA186) & #6 (GF144). I/A/W STC SE09217SC and GAMI installation instructions. Checked for leaks and fuel pressures I/A/W Continental SID 97-3F.



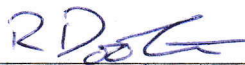





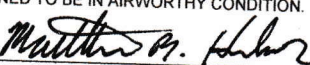


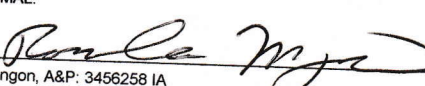


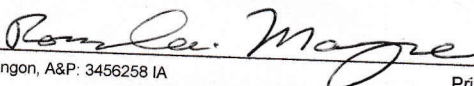
DATE: 16 May, 2014

SIGNED:

Ronald Mangon, A&P: 3456258 IA

Work Order: 14603

Printed by EBis 3 (datcomedia.com)

Date	Total Time		Time Since Last Overhaul		<h1>Engine Service and Maintenance Record</h1> <p>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>
	Hrs.	Min.	Hrs.	Min.	
Brought For					
ENGINE MODEL: IO-520-D (187)				Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	
ENGINE S/N: 832463				DATE: 24 July, 2014 A/C TSN: 4276 ENG TT: 890.03 TSMOH: TACH: 4276	
REG. NO: 42818					
WORK ORDER: 14752					
Engine Entries Oil changed. Installed new oil filter (Champion CH48109-1). Old oil filter cut open and inspected, nothing found. Engine washed and serviced with Phillips 20W-50. Engine ground operated, checked O.K.					
DATE: 24 July, 2014		SIGNED: 		Work Order: 14752	
		Richard Doolittle, A&P: Pending FAA #		Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: IO-520-D (187)				Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	
ENGINE S/N: 832463				DATE: 11 November, 2014 A/C TSN: 4308.33 ENG TT: 922.36 TSMOH: TACH: 4308.33	
REG. NO: 42818					
WORK ORDER: 14863					
Engine Entries Removed cylinder #6 top spark plug for Lt. magneto. High tensioned cylinder #6 Lt. magneto lead. Checked satisfactory. Cleaned and inspected cylinder #6 spark plug and found gap to be greater than .22 and resistance failed. Removed cylinder #6 top spark plug and installed new spark plug and torqued to 360 In. Lbs. Function check satisfactory.					
DATE: 11 November, 2014		SIGNED: 		Work Order: 14863	
		Ronald Mangon, A&P: 3456258 IA		Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: IO-520-D (187)				Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	
ENGINE S/N: 832463				DATE: 16 January, 2015 A/C TSN: 4317.1 ENG TT: 931.13 TSMOH: TACH: 4317.1	
REG. NO: 42818					
WORK ORDER: 14914					
Engine Entries Engine has been inspected and serviced using Cessna 182 Service Manual D2006, Sec 3. Oil changed Phillips 20W-50. Oil filter CH48109-1 changed and checked, no contamination found. Complied with TCM SB03-3 Differential Pressure Test. Baseline, 45/80, 1- 60/80, 2- 70/80, 3- 56/80, 4- 58/80, 5- 62/80, 6- 72/80. Magneto timing was checked in accordance with, TCM MSB94-8A. Spark plugs cleaned gapped, tested and rotated. Carburetor fuel screen checked and cleaned. Fuel system pressure tested, no leaks. Engine washed... A.D. 2014-05-29, effective date 4/25/2014, Superior Air Parts Investment Cast Cylinder Assemblies to prevent the separation of the cylinder head. Not applicable to part number installed. No further action required.					
ENGINE GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL.					
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.					
DATE: 16 January, 2015		SIGNED: 		Work Order: 14914	
		Huber Matthew B, A&P: 2766384 IA		Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: IO-520-D (187)				Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	
ENGINE S/N: 832463				DATE: 31 July, 2015 A/C TSN: 4358.45 ENG TT: 972.48 TSMOH: TACH: 4358.45	
REG. NO: 42818					
WORK ORDER: 15136					
Engine Entries 50-Hour service and inspection on engine completed using inspection guide. Oil and oil filter changed. Oil d oil filter cut open, checked clean. Spark plugs cleaned, gaped, tested and rotated. Engine washed and serviced with Phillips XC 20W50					
THE ABOVE ITEM HAS BEEN INSPECTED, SERVICED AND GROUND OPERATED IN ACCORDANCE WITH GUIDE FOR A 50-HOUR SERVICE / INSPECTION. ALL SYSTEMS CHECKED NORMAL.					
DATE: 31 July, 2015		SIGNED: 		Work Order: 15136	
		Ronald Mangon, A&P: 3456258 IA		Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: IO-520-D (187)				Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848	
ENGINE S/N: 832463				DATE: 01 February, 2016 A/C TSN: 4390.12 ENG TT: 1004.15 TSMOH: TACH: 4390.12	
REG. NO: 42818					
WORK ORDER: 15308					
Engine Entries 100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, oil filter removed, inspected, (no metal particles) and installed new oil filter. Engine serviced with Phillip 20W-50 oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 45/80. Cylinder 1- 69/80, 2-70/80, 3-54/80, 4-56/80, 5-69/80, 6-66/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 22 degrees BTC, cylinder #1. Exhaust system pressure checked no leaks.					
ENGINE GROUND OPERATED. ALL SYSTEMS CHECKED NORMAL.					
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.					
DATE: 01 February, 2016		SIGNED: 		Work Order: 15308	
		Ronald Mangon, A&P: 3456258 IA		Printed by EBis 3 (datcomedia.com)	

Date	Total Time		Time Since Last Overhaul		<h2 style="margin: 0;">Engine Service and Maintenance Record</h2> <p style="margin: 0;">Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL: IO-520-D (187) ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 15493</p> </div> <div style="width: 30%; text-align: center;"> Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 15 July, 2016 A/C TSN: 4453.67 ENG TT: 1067.7 TSMOH: TACH: 4453.67</p> </div> </div>					
<p>Engine Entries</p> <p>50-Hour service and inspection on engine completed using Savvy Aircraft Maintenance Management Guide for Oil Changes and Associated Service Items and Mangon Aircraft 50-Hour inspection guide. Oil and oil filter changed. Oil screen checked and cleaned. Spark plugs cleaned, gapped, tested and rotated. Engine washed and serviced with Phillips 20W50. Ground ran engine, no leaks noted.</p>					
<p>THE ABOVE ITEM HAS BEEN INSPECTED, SERVICED AND GROUND OPERATED IN ACCORDANCE WITH GUIDE FOR A 50-HOUR SERVICE / INSPECTION. ALL SYSTEMS CHECKED NORMAL.</p>					
<div style="display: flex; justify-content: space-between;"> <div>DATE: 15 July, 2016</div> <div style="text-align: center;"> SIGNED: David Mangon, A&P: 3592237 </div> <div style="text-align: right;">Work Order: 15493 Printed by EBis 3 (datcomedia.com)</div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL: IO-520-D (187) ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 15704</p> </div> <div style="width: 30%; text-align: center;"> Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 09 March, 2017 A/C TSN: 4491.35 ENG TT: 1105.38 TSMOH: TACH: 4491.35</p> </div> </div>					
<p>Engine Entries</p> <p>Engine has been inspected and serviced using Cessna 182 Service Manual D2006, Sec 3. Oil changed, Oil filter CH48109-1 changed and checked, no contamination found. Complied with TCM SB03-3 Differential Pressure Test. Baseline, 44/80, 1-56/80, 2-64/80, 3-54/80, 4- 55/80, 5-62/80, 6-66/80. Magneto timing was checked in accordance with, TCM MSB94-8A. Flue Injector screen checked and cleaned. Fuel system pressure tested, no leaks. Engine spark plugs replaced with Tempest URHB32E spark plugs. Engine washed.... A.D. 2016-16-12, effective date 9/15/2016, Continental Motors, Inc. (CMI) is not applicable to part number cylinders installed. No further action required.</p>					
<p>ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>					
<div style="display: flex; justify-content: space-between;"> <div>DATE: 09 March, 2017</div> <div style="text-align: center;"> SIGNED: Ronald Mangon, A&P: 3456258 IA </div> <div style="text-align: right;">Work Order: 15704 Printed by EBis 3 (datcomedia.com)</div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL: IO-520-D (187) ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 16085</p> </div> <div style="width: 30%; text-align: center;"> Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 30 March, 2018 A/C TSN: 4544.79 ENG TT: 1158.82 TSMOH: TACH: 4544.79</p> </div> </div>					
<p>Engine Entries</p> <p>100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, oil filter removed, inspected, (no metal particles). Oil filter CH48109-1 installed. Oil serviced to 10 Qts. of Phillips XC 25W-50 customer supplied oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 41/80. Cylinder 1- 57/80, 2-67/80, 3-45/80, 4-52/80, 5-49/80, 6-63/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 22° BTC, cylinder #1. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks.... Magnetos left Pn.BL-349350-4, Sn.F05EA159R and right Pn. BL-349350-5, Sn. F05EA100R removed and sent out for 500 hr inspection to Aircraft Electrical Components repair station #S7HR883J. Magneto reinstalled and timed to engine at 22° BTDC of cylinder #1 after 500-Hour Service completed. Engine Ground operated all systems check normal, no leaks.</p>					
<p>ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>					
<div style="display: flex; justify-content: space-between;"> <div>DATE: 30 March, 2018</div> <div style="text-align: center;"> SIGNED: Michael Tillman, A&P: 2845176 IA </div> <div style="text-align: right;">Work Order: 16085 Printed by EBis 3 (datcomedia.com)</div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL: IO-520-D (187) ENGINE S/N: 832463 REG. NO: 42818 WORK ORDER: 16267</p> </div> <div style="width: 30%; text-align: center;"> Mangon Aircraft, Inc. 501 Sky Ranch Drive Petaluma, CA 94954-3908 Phone: (707) 765-1848 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 21 September, 2018 A/C TSN: 4578.13 ENG TT: 1192.16 TSMOH: TACH: 4578.13</p> </div> </div>					
<p>Engine Entries</p> <p>Oil changed, oil filter replaced. Old oil filter cut open and inspected, nothing found. Engine washed and serviced with Phillips 20W-50 XC and 1 Camguard. Engine ground operated, no leaks noted.</p>					
<p>DATE: 21 September, 2018 SIGNED: Work Order: 16267 David Mangon, A&P: 3592237 Printed by EBis 3 (datcomedia.com)</p>					

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

ENGINE MODEL: IO-520-D
(187)
ENGINE S/N: 832463
REG. NO: 42818
WORK ORDER: 16414



Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 02 May, 2019
A/C TSN: 4601.1
ENG TT: 1215.13
TSMOH:
TACH: 4601.1

Engine Entries

100 Hour inspection and service completed on engine, using Cessna Service Manual D637-13, 01 Sep. 1968, (TR5, 07 Oct. 2002) Section II. Engine Compartment. Oil drained, oil screen removed, inspected, (no metal particles) and installed. Oil serviced to 10 Qts. with customer supplied Phillips XC 20W-50 oil. Complied with TCM SB03-3, Differential Pressure Test, baseline of 43/80. Cylinder 1-60/80, 2-64/80, 3-46/80, 4-50/80, 5-62/80, 6-63/80. TCM MSB94-8A complied with for magnetos, timing and sync'd at 22" BTC, cylinder #1. Primer and fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks.... Propeller RPM adjusted up to 2850 RPM per customer request.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

DATE: 02 May, 2019

SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 16414

Printed by EBis 3 (datcomedia.com)



Registration: N42818 Date: 7/20/2020 Tach: ~~4769.4~~ 4669.4 Actt: ~~4769.4~~ 4669.4 Eng SN: 832463-R SMOH: ~~1383.4~~ 1283.4

Changed oil filter, cut and inspected oil filter; added 10 qts aeroshell w100; performed compression check #1-60 #2-44 #3-44 #4-44 #5-62 #6-56 all over 80; cleaned and gapped spark plugs; replaced air filter pn BA-8103; cleaned and inspected injectors; All work performed with reference to continental service manual. Engine is approved for return to service;

Justin Maxwell
Justin Maxwell A/P 3871099

I certify I have inspected this engine and prop IAW FAR 43 Apndx D, Continental service manual and ponderosa annual checklist and found it to be in an airworthy condition; AD's CW; engine is approved for return to service;

Justin Maxwell
Justin Maxwell A/P 3871099 IA

11-20-2020	N42818	TACH 4722.47, Hobbs 2816.2 SMOH 1336.47, SN 832463-R Oil drained, changed oil filter, cut and inspected oil filter, added 10 Qts aeroshell W100
Owner Pilot	William R Farrer 2005768	Farrer

05-12-21

N42818

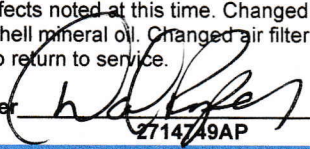
Engine Log





Tach: 4743.32

Performed Oil and Filter change using 10 Qts. Aeroshell W100 and Tempest AA48109-2 filter. Drain oil and change filter. Refill to spec. Test run for leaks. No defects noted at this time. Ok to return to service.

David Raper

2714749AP

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 →			09-12-21 N42818 Engine Log ENGTT: 1385.03 Tach: 4791.03		
9-12-21 Tach 4791.03			Performed 100Hr Inspection on IO-520-D Continental Per FAR 43 Appendix D. Performed differential compression test. Results as follows #1 40/80 #2 51/80 #3 52/80 #4 5180 #5 52/80 #6 70/80. Replaced 6 complete cylinder assemblies with new units from Superior # SA52006. Replaced 12 spark plugs with new URHB32E. Checked magneto timing. No defects noted at this time. Changed oil and oil filter using Tempest oil filter # AA48109-2 and 10 Qts Aeroshell mineral oil. Changed air filter with new BA8103. Clean engine and test run. No defects noted. OK to return to service.		
			David Raper  2714749AP		
			Date 14 Oct 2021 Discrepancy		
			Oil and Filter change due		
			Old P/N Tempest AA48109 New P/N Tempest AA48109		
			Old S/N New S/N		
			Corrective Action		
			Drained oil, removed and inspected filter, installed new oil filter and		
			Serviced engine with 10 quarts Phillips 100AW oil. Leak ck good.		
			Tach 4815.4 X Returned to Service		
Mechanic Mark A. Kirsch License # 2849732					

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 →					
MAKE CESSNA MODEL 182L S/N 18259203 N# 42818					
Date 14 Oct 2021 Discrepancy					
Two heat shields have broken holding tabs					
Corrective Action Fabricated and installed 4 each new holding tabs, reinstalled heat Shields on engine mount frame.					
Tach 4815.4 X Returned to Service					
Mechanic Mark A. Kirsch License # 2849732					
 Tucson Aircraft Maintenance 6330 S Aviator Ln Hangar A Tucson AZ 85735					Make: Textron (Cessna) Model: 182L Tail: N42818 S/N: 18259203
Hours: Tach: 4824.92 EngTT: 1438.95 Hobbs: 2920.9 TCM IO-520-D187 S/N 832463-R					
Removed, cleaned, and re-installed fuel injectors, ensuring proper locations per GAMI tags. Tested compression on cylinder #2 72/80, master orifice tested at 43/80. Ground test ran engine and leak checked. no leaks.					
Signed:  Name: Rick Nelson					Cert: A&P 3253535 Date: 10/23/2021
 Tucson Aircraft Maintenance 6330 S Aviator Ln Hangar A Tucson AZ 85735					Make: Textron (Cessna) Model: 182L Tail: N42818 S/N: 18259203
Hours: Tach: 4825.70 Hobbs: 2922.0 TCM IO-520-D187 S/N 832463-R					
Installed new muffler assembly P/N A0750161-28 S/N 218210 with 2 ea P/N A0750161-22/24 clamp kits, 6 ea P/N 652458 no-blo gaskets and 24 MS20500-428 exhaust nuts. Installed 10 ea P/N 654439-1 intake hoses, 6 ea P/N MC0750143-1 heat deflectors and 6 ea P/N 649959 intake gaskets. Ground test ran engine and leak checked, no leaks.					
Signed:  Name: Rick Nelson					Cert: A&P 3253535 Date: 11/08/2021

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.	

September 19, 2022. The tachometer time is 4,948.10 hours. The total time of engine is 1,562.13 hours. Inspected and serviced in accordance with Cessna's maintenance manual checklist. AD2022-16-03 (8/15/2022) AD is not applicable by the magneto serial numbers installed. AD2022-04-04 (3/29/2022) AD is not applicable. STC E8409SW, SE09356SC, or SE10348SC are not installed. Compression test #1 64/80, #2 72/80, #3 70/80, #4 76/80, #5 78/80, and #6 64/80. The oil was drained and the oil filter was removed. A new oil filter was installed AA48109. 12 quarts AeroShell 100W grade oil was added. The spark plugs were removed, cleaned, gaped, tested, installed, and torqued. The heat exchanger cover was removed repaired and reinstalled. A new induction air filter was installed. The nicks in the propeller were dressed and the propeller was lubed. The propeller cable rod end in was repositioned and reinstalled with new hardware to avoid chafing. Applied silicone to SCAT tubing on the forward heat muff. Alternate air to the throttle body cable lubed. Applied silicone to left hand rear engine baffle to fuel controller. Applied silicone to engine baffle seal front both sides. All rocker box covers were retorqued. The cabin heat control cable was lubed. Missing nuts for the seventh stud reinforcement block intermediate cylinders were reinstalled and torqued. The left exhaust stack was replaced with new stack assembly part number K0750161-67A. The ignition leads above vacuum pump were secured with zip ties. Zip ties and silicone were used to secure carburetor heat cable to prevent chafing with cowl flap cables on right hand side. Zip ties and silicone reuse to secure oil-temp cable to prevent chafing is with manifold pressure and oil pressure hose. Used silicone to prevent tachometer cable from chafing with oil temperature hose. The throttle cable was lubed. Installed nipple on rectifier near voltage regulator. The left-hand magneto timing was reset within limits. The fuel strainer was disassembled, inspected, reassembled, and safety wired. The fuel controller was drained, reinstalled, and safety wired. Applied silicone to fuel hose to prevent chafing with firewall on the left side. Applied silicone to bottom cowl front duck seal. The duct rear bracket bottom seal was replaced with new seal. Silicone was applied to the bottom cowl in some places to prevent chafing. The engine was test ran and no leaks were noted. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. A&P 3789786 IA *[Signature]*



Tucson Aircraft Maintenance
6330 S Aviator Ln Hangar A
Tucson AZ 85735

Make: TCM
Model: IO-520-D187
Tail: N42818
S/N: 832463-R

Hours: Tach: 5005.7

Installed 1 ea. P/N TC875 tachometer cap. Drained oil and removed oil filter. Installed new AA48109 oil filter and serviced engine with 10 qts Phillips Victory 100AW oil and 1 pint Aviation Camguard. Old oil filter inspected for metal, none found. Washed engine, ground test ran and leak checked. No leaks.

Signed:

[Signature: Rick Nelson]

Name: Rick Nelson

Cert: A&P 3253535

Date: 05/23/2023

