

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N72124

Engine Manufacturer T.C.M.

Model I0-520-BB

Serial No. 578059

Date installed on aircraft 10-30-91

Time Between Overhauls (TBO) 1700 Hours

If used on multi-engine aircraft:

☐ Right ☐ Left
☐ Front ☐ Rear

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Mattituck Airbase Inc.
Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All applicable Airworthiness Directives and mandatory Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 16761 DATED 10-30-91
MFG. T. C. M. MODEL IO 520 BB.
Serial No. 578059 Time in svc. 1817.19

**MATTITUCK AIRBASE INC.**

F.A.A. REPAIR STATION # QX2R125L

AIRWAY DRIVE, MATTITUCK, L.I., N.Y. 11952

Michael P. Russell
Authorized Signature

The Accessories Listed Below Were Overhauled and Supplied With This Engine

ENGINE: IO-520-BB SN. 578059 DATE 10-30-91

	P/N	S/N		P/N	S/N
L. MAG	<u>6310</u>	<u>91080086</u>	PROPELLER	<u>343214601</u>	<u>640167</u>
R. MAG	<u>6310</u>	<u>91080110</u>	PROP. GOV.	<u>C290D36-1T23</u>	<u>840445E</u>
ALT./GEN.	<u>646843R</u>	<u>G-19110-02</u>	TACH. GEN.	<u>DNA</u>	
INJ./CARB.	<u>63415M5</u>	<u>J 098102A</u>	TURBO CHARGER		
FUEL PUMP	<u>638154-14A1</u>	<u>1174192A</u>	WASTE GATE		
STARTER	<u>646275</u>	<u>R-4429</u>	CONTROLLER		
VAC. PUMP	<u>212CW</u>	<u>02AG00047</u>	CONTROLLER		
HYD. PUMP	<u>DNA</u>		REL. VALVE	<u>DNA</u>	

MATTITUCK AIRBASE INC.

F.A.A. Repair Sta. No. QX2R125L

W.O. No. 16761

Michael P. Russell
Authorized Signature

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	1817.19	OSMOH	1817.19	TOTALS brought forward from previous page
10-30-91				This Engine Reinstalled in Beech F-33A S/N CE-1047. Ground Run, Leak Checked AND Adjusted AS NECESSARY. AIRCRAFT TEST STAMP. Ref WO # 16761
				MATTITUCK AIRBASE INC.
				CRS QX2R125L
				Mahlon P. Russell
10-30-91		OSMOH	1817.19	I certify this engine has been inspected in accordance with a Annual Inspection & found Airworthy.
				MATTITUCK AIRBASE INC.
				CRS QX2R125L
				Mahlon P. Russell

MAKE T.C.M. MODEL 70-520-88 SERIAL NO./N. NO. 578059

TACH READING	1859.0	DATE	2-19-92	REPLACED EGT PROBE PN 86245. REPLACED CH.T PROBE PN AN5546-1 REPLACED ALTERNATOR WITH OVH UNIT PN 646843 SP L319109.02
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PERFORMED 25HR INSPECTION DRAINED IN-OIL CHECK FILTER FOR CONTAMINATION NONE NOTED. SERVICED ENGINE WITH 12 QT 80-90 Phillips mineral oil with new oil filter, CYC LEAK DOWN ALL CYLS 76. OPERATIONAL CHECK SATISFACTORY.

MATTITUCK AIRBASE INC.
F.A.A. Repair Station QX2R125L
W.O. No. 16853



Mahlon P. Russell
Authorized Signature

TOTALS Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

MAKE TCM MODEL 70-520-88 SERIAL NO./N. NO. 578059

TACH READING	<u>1899.57</u>	DATE	<u>6-16-92</u>	<u>DRAIN ENGINE OIL AND</u>
<u>CHECK FILTER FOR CONTAMINATION DONE NOTED.</u>				
<u>SERVICED ENGINE WITH 12 QTS 20-50 PHILLIPS</u>				
<u>MINERAL OIL WITH NEW OIL FILTER. ACAC CHECK</u>				
<u>AND GROUND RUN SATISFACTORY.</u>				

MATTITUCK AIRBASE INC.
F.A.A. Repair Station QX2R125L
W.O. No. 16994



Harrison B. Russell
Authorized Signature

DECEMBER 16, 1992. TOTAL ENGINE TIME & TACH.
READING. 1968.60. ENGINE TIME S.M.O.H. 0151.41.
CHECKED COMPRESSION IN ALL CYLS. CHANGED
POSITION OF ALL PLUGS. CHECKED MAG. TIMING,
APPROX 15W50 CH 48109
CHANGED OIL & FILTER. WASHED DOWN ENGINE
AND CHECKED ENGINE PERFORMANCE.

Raymond E. Russell AFD 1952996

ACCESSORY
CLASS I AND II
CRS NO. TB3R861L



WE SERVICE THE UNIVERSE
SOUTHWEST COOLER SERVICE, INC.
3939 PLATINUM WAY
DALLAS, TEXAS 75237

SERVICEABLE PART

Part Nomenclature Oil Cooler Manufacturer HarrisonModel # N/A Part # 635996 SN 1774-4983Overhaul ☒ Repair ☐ Test/Calibrate ☐ Modify ☐ Exchange ☐Customer Linden Air Service Corp. Work Order # C0725

The component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the work accomplished are on file at this agency.

Authorized Signature *Shan Shap* Date 5-3-94

Page No.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
JUNE 15, 1995 TOTAL ENG. TIME & TACH. 2089.44.				
ENG. TIME S.M.O.H. 0272.25. CHECKED COMPRESSION				
IN ALL CYLS. CHANGED OIL & FILTER.				
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED				
IN ACCORDANCE WITH AN ANNUAL INSPECTION AND				
WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				
Raymond E. Rind F.M. 1952996				
7-19-95		2090.6		Installed new starter motor. Replaced oil cool sockets, washed Engine Flum up checked for leaks ops ok
Raymond E. Rind AP 141580920				
10/1/96				KRESS AVIATION INC. 40 SKY MANOR, RD. PITTSBORO, NJ. 08867
DATE 10/01/96 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047				
TACH: 2136.47 TOTAL TIME: 2136.47				
ENG MODEL: IO-520-BB S/N: 578059 TSN: 2136.47 TSOH: 319.28				
PROP MODEL: 3A32C406 S/N: 840167 TSOH: 319.28				
1. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE				
WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN				
AIRWORTHY CONDITION.				
2. COMPRESSION TEST RESULTS <i>Handwritten: 1. 72/80, 2. 75/80, 3. 75/80, 4. 75/80, 5. 75/80, 6. 65/80.</i>				
3. DRAINED OIL & REFILLED WITH X QTS. OF 40W MINERAL. INSPECTED & CLEANED OIL SCREEN. NEXT OIL CHANGE ***DUE AT 2161 HRS. (TACH).				
4. AD 95-21-15 ENGINES OPERATED ON WRONG FUEL, AD IS N/A BY "N" NUMBER.				
5. AD 96-12-22 CESSNA OIL FILTER ADAPTER, AD IS N/A ENGINE NOT EQUIPPED WITH SUBJECT ADAPTER.				
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

DATE	TOTAL TIME IN SERVICE
10/1/96	DATE 8/1/96
	6. CY CY TO SK
10/23/97	
	DATE
	ENG
	1. IC
	W
	A
	2. C
	1.
	3. D
	R
	4. R
	S
10/24/98	

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
10/1/96				DATE 9/30/96 10/1/96 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047 TACH: 2136.47 TOTAL TIME: 2136.47 6. CYLINDERS 3 AND 4 REMOVED, MADE SERVICEABLE AND REINSTALLED. CYLINDERS MADE SERVICEABLE BY "HELLER AERO SERVICE" THIS DATE DUE TO LOW COMPRESSION. (SEE SERVICEABLE TAGS ATTACHED THIS PAGE) SIGNATURE <u>Frederick W Berry</u> CERT. # 167428916 IA
10/23/97				KRESS AVIATION INC. 40 SKY MANOR, RD. PITTSTOWN, NJ. 08867 DATE 10/23/97 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047 TACH: 2193.40 TOTAL TIME: 2193.40 ENG MODEL: IO-520-BB S/N: 578059 TSN: 2193.40 TSO: 376.21 1. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. 2. COMPRESSION TEST RESULTS. 1. 75/80, 2. 75/80, 3. 63/80, 4. 72/80, 5. 74/80, 6. 73/80. 3. DRAINED OIL & REFILLED WITH 12 QTS. OF 15W50. INSPECTED & REPLACED OIL FILTER. NEXT OIL CHANGE ***DUE AT 2243 HRS. (TACH). 4. REPLACED SPRING ON THROTTLE BODY, INSTALLED P/N 628371. SIGNATURE <u>Frederick W Berry</u> CERT. # 167428916 IA -----END-----
10/22/98				KRESS AVIATION INC. 40 SKY MANOR, RD. PITTSTOWN, NJ. 08867 DATE 10/22/98 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047 TACH: 2231.40 TOTAL TIME: 2231.40 ENG MODEL: IO-520-BB S/N: 578059 TSN: 2231.40 TSO: 414.21 1. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. 2. COMPRESSION TEST RESULTS. 1. 73/80, 2. 70/80, 3. 70/80, 4. 71/80, 5. 74/80, 6. 72/80. 3. DRAINED OIL & REFILLED WITH 12 QTS. OF 15W50. INSPECTED & REPLACED OIL FILTER. ***NEXT OIL CHANGE DUE AT 2281 HRS. (TACH).*** 4. C/W AD 88-17-03 STARTER ADAPTER SHAFTGEAR FAILURE. AD IS N/A. AIRCRAFT NOT EQUIPPED WITH AIR CONDITION AS PER APPLICABILITY SECTION.

OVER

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	2231.4	414.21	2231.4	TOTALS brought forward from previous page

10/22/98 DATE 10/22/98 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047
TACH: 2231.40 TOTAL TIME: 2231.40

5. C/W AD 93-10-02 MISSING CYLINDER VALVE RETAINER KEY. AD IS N/A BY ENGINE SERIAL NUMBER IAW MSB 93-12.

6. C/W AD 93-16-15 FUEL PUMP DRIVE COUPLING. INSTALLED NEW COUPLING P/N: 653359. RUN-UP LEAKED CHECKED GOOD.

7. AD 97-26-17 C NON-VAR CRANKSHAFT. ***AD IS DUE AT NEXT CRANKSHAFT REMOVAL / OVERHAUL ***

SIGNATURE *Frederick M. Berry* CERT. # 167428916 IA
END

11/2/99 KRESS AVIATION INC.
40 SKY MANOR, RD.
PITTSBURGH, NJ. 08867

DATE 11/02/99 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047
TACH: 2241.89 TOTAL TIME: 2241.89

ENG. MODEL: IO-520-BB S/N: 578059 TSN: 2241.89 TSO: 424.70

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

2. COMPRESSION TEST RESULTS.

1. 73/80, 2. 74/80, 3. 72/80, 4. 70/80, 5. 75/80, 6. 72/80.

3. DRAINED OIL & REFILLED WITH 12 QTS. OF 15W50. INSPECTED & REPLACED OIL FILTER. ***NEXT OIL CHANGE DUE AT 2291 HRS. (TACH).***

4. AD 97-26-17 C NON-VAR CRANKSHAFT. ***AD IS DUE AT NEXT CRANKSHAFT REMOVAL / OVERHAUL.***

5. AD 98-17-11 CRANKSHAFTS REPAIRED BY "NELSON BALANCING SVC. AD IS N/A BY RECORDS CHECK. NO CRANKSHAFT WORK DONE SINCE ENGINE O/H 10/31/91.

SIGNATURE *Frederick M. Berry* CERT. # 167428916 IA
END

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APR 75402512 IA DATE 9/26/96

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page KRESS AVIATION INC. 40 SKY MANOR, RD. PITTSBURGH, NJ. 08867
12/22/00				DATE 12/22/00 A/C REG: N72124 MODEL: F33A A/C S/N: CE-1047 TACH: 2269.54 TOTAL TIME: 2269.54
				ENG. MODEL: IO-520-BB S/N: 578059 TSN: 2269.54 TSO: 452.35
				1. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
				2. COMPRESSION TEST RESULTS. 1. 71/80, 2. 72/80, 3. 72/80, 4. 75/80, 5. 74/80, 6. 73/80.
				3. DRAINED OIL & REFILLED WITH 12 QTS. OF 15W50. INSPECTED & REPLACED OIL FILTER. ***NEXT OIL CHANGE DUE AT 2319 HRS. (TACH).***
				4. AD 97-26-17 C NON-VAR CRANKSHAFT. ***AD IS DUE AT NEXT CRANKSHAFT REMOVAL / OVERHAUL.***
				5. AD 99-09-17 L SUPERSEDED BY AD 99-19-01.
				6. AD 99-19-01 TO PREVENT CRANKSHAFT FAILURE DUE TO CRACKS IN CRANKSHAFT CHEEK CRACKS. AD IS N/A, NO CRANKSHAFT WORK DONE IN TIME FRAME SPECIFIED (1/98-12/98). LAST CRANKSHAFT WORK COMPLETED AT OVERHAUL BY MATITTUCK (10/30/91)
				7. AD 2000-08-51 E TO PREVENT CRANKSHAFT FAILURE DUE TO CRANKSHAFT CONNECTING ROD JOURNAL FAILURE. AD IS N/A, NO CRANKSHAFT WORK DONE IN TIME FRAME GIVEN (5/98-3/2000). LAST CRANKSHAFT WORK COMPLETED AT OVERHAUL BY MATITTUCK (10/31/91).
				SIGNATURE <u>Frederick M. Bens</u> CERT. # 167428916 IA END
12-19-01	2328.3	511.1	2328.3	IO-520-BB S/N 578059 TSO 511.1 Total time <u>2328.3</u> Date <u>12-19-01</u> I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. <u>Paul A. Whey</u> AP141582920 IA For
				1. Compression Test Results cyl. #1-72 #2-70 #3-70 #4-65 #5-75 #6-72
				2. Drained Engine oil changed Filter Inspected oil filter. serviced with → over
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2001				TOTALS brought forward from previous page
12-19	2328.3	511.1	2328.3	2. 15-50 Aeroshell oil washed Engine Run up leaked checked ops ok 3. Replaced EAT Probe with serviceable Probe ops ok. 4. Replaced Rubber Hoses on Injector line at Holding clamp. 5. Replaced Asest on oil Dip Stick 6. Replaced connectors at oil Temp Probe. End
				CKED A.D.S TO DATE REVIEW AD, 2000-23-21 CRANKSHAFT FAIL. NA. DATE ENG O/H. CHANGE OIL & FILTER, INST, 11 QTS. 15/50 AEROSHELL OIL & NEW GH 48109 FILTER, CKED OLD FILTER FOR CONT. "FOUND CLEAN." Q/W ALL ANNUAL INSP. & SERV. ITEMS TAW, FAR, 43 AD "COMP #1/80 #2/80 #3/80 #4/80 #5/80 #6/80. TEST RAN TO STATIC Total time 2349.6 Date 12-13-02 PWR. SAT. I certify that this ENGINE has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition. TA13942312 Alan E. Schier For KRESS AVIATION
	ITS MOH, 532.49			

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2004	2356.9	539.7	2356.9	TOTALS brought forward from previous page
				Total time <u>2356.9</u> Date <u>4-1-04</u>
				I certify that this <u>Engine</u> has
				been inspected in accordance with a
				<u>Annual</u> inspection and was
				determined to be in airworthy condition.
				For <u>Notes 2 PWS AP141582920IA</u>
				Compression Test Results Cyl. #1-66
				#2-70 #3-60 #4-64 #5-72
				#6-71 Changed Engine oil and
				Filter Inspected oil Filter serviced
				Engine with 12 qts 15-50 AeroShell
				oil, cleaned and capped sparkplugs.
				cleaned Fuel Injector nozzles.
				Inspected Exhaust, checked mag Timing
				washed Engine Run up ops checked
				Good ————— End —————
2005	2363.6	546.4	2363.6	Total time <u>2363.6</u> Date <u>5-20-05</u>
5-20				I certify that this <u>Engine</u> has
				been inspected in accordance with a
				<u>Annual</u> inspection and was
				determined to be in airworthy condition.
				For <u>Notes 2 PWS AP2901890 IA</u>
				Compression test Results. Cyl. #1-72 #2-69 #3-65
				#4-65 #5-72 #6-72. Changed Engine oil Inspected
				oil Filter serviced with 15-50 AeroShell oil, cleaned
				and capped sparkplugs. Inspected Exhaust, checked mag Timing.
				cleaned Fuel Injector nozzles and fuel screens Run up
				ops checked Good: —————
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
4-10-07		569.8	2387.0	<p>Total time <u>2387.0</u> Date <u>4-10-07</u></p> <p>I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.</p> <p>For <u>Paul J. Wynn AP296696 IA</u></p> <p>Compression Test Results cyl. #1-70 #2-71 #3-70 #4-71 #5-72 #6-72, changed Engine oil and Filter. Inspected oil filter serviced with 15-50 Aeroshell oil, checked and changed sparkplugs. checked mag Timing. Inspected Exhaust system, serviced Fuel Screen, Installed new Engine Air Filter lubricated oil engine controls.</p>
2010		604.3	2421.5	<p>Total time <u>2421.5</u> Date <u>7-27-2010</u></p> <p>I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.</p> <p>For <u>Paul J. Wynn AP296696 IA</u></p> <p>Compression Test. Cyl. #1-67 #2-74 #3-68 #4-67 #5-75 #6-71 changed Engine oil and Filter. Inspected oil filter serviced with 15-50 Aeroshell oil. Installed new oil Filter cap. Checked and changed sparkplug with new Anglits. checked mag Timing. Inspected Intake and Exhaust Systems. Cleaned Fuel Service screen</p>
7-27				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
2010 7-27		604.3	2421.5	Inspected and lubricated Engine controls Runup ops checked OK. AD 07-04-19 R1 Superior Air Parts Cyl. Assy NA. AD 09-16-03 (SAP) Cost Cyl. Assy NA. AD 09-19-07 cracked EQ3 cylinders NA. AD 09-24-52 E Hydraulic Valve lifters NA. Installed new Engine air Filter
2011 8-25	2449.7			Checked compression, #1 65/80, #2 73/80, #3 70/80, #4 68/80, #5 72/80, #6 66/80 Changed oil 12 qts, 15-50 Aeroshell & changed filter/inspected-cleaning oil screen Cleaned-inspected-gapped-tested-rotated spark plugs; checked magnetos-breaker con Timing; inspected Engine-Prop-Turbocharger-Exhaust System; checked and lubed Engine controls; washed down engine; cleaned fuel primer nozzles-fuel injector Nozzles-fuel regulator/carb inlet screen-drained/flushed carb bowl; dressed down & painted Prop; cleaned/replaced induction air filter; engine ground runup okay. Total time 2449.7 Date 8-25-2011 Installed on I certify that this Engine has Continental T been inspected in accordance with a Annual inspection and was end control determined to be in airworthy condition. PIN 631415AS For <u>Martin Kress AP29G189GIA</u> SOMERSET AIR SERVICE, Inc. P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359 DATE: 8-23-2012 REG N72124 MAKE: TCM Model: IO-520-BB Tach: 2466 SMOH: 649 ENGINE/ANNUAL - Cleaned gapped and rotated spark plugs. Checked magneto timing. Compression test: 1) 64 2) 60 3) 60 4) 74 5) 70 6) 67 over 80psi. Inspect intake gaskets, hoses and pipes. Change oil and filter, service with 11 qts Aeroshell 15w50 and CH48109 filter. Cut open oil filter and inspect for debris, found clean. Check for fuel and oil leaks. Replaced rocker cover gasket on cylinder #3. Adjust mixture. Check condition of alternator and starter. Replaced oil dip stick gasket. Inspect exhaust system and gaskets. Replaced right muffler with new muffler p/n K701-5 and replaced hardware with stainless steel as needed. De-greased engine and lubed engine controls. Run-up, ops and leak check OK. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. <u>Martin Kress AP29G189GIA</u> Authorized Signature Martin Kress
2012 8-23		649.	2466.	

Log Number:

64415

Contract/Invoice

64415

Status/Work:

OVERHAULED

end

SOMERSET AIR SERVICE, Inc.
P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359

[illegible]

P.O. BOX 1007, Beadsworth, MN 55005

DATE: 10/4/2013 REG N27124	MAKE: TCM	Model: 10-520-BB	Tach: 2475.5 SMOH: 658
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ENGINE/ANNUAL - Cleaned gapped and rotated spark plugs. Checked magneto timing. Compression test: 1 65 2 75 3 58 4 57 5 74 6 66 over 80psi. Inspect intake gaskets, hoses and pipes. Change oil and filter, service with 11 qts Aeroshell 15w50 and CH48109 filter. Cut open oil filter and inspect for debris, found clean. Check for fuel and oil leaks. Check condition of alternator and starter. Inspect exhaust system and gaskets. Replace left muffler with new p/n K701-04 and also replace hardware with stainless steel as needed. De-greased engine and lubed engine controls. Run-up, ops and leak check OK.

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

Authorized Signature Martin Kress

SOMERSET AIR SERVICE, Inc.
P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359

DATE: 10/21/2014	MAKE: TCM	Model: IO-520-BB	Tach: 2484.2
REG N72124			SMOH: 664.7

Clean, gap and rotated spark plugs
Checked magneto timing - both ok
Compression test 1) 62 2) 74 3) 57 4) 607 5) 66 6) 68 over 80psi
Inspect intake gaskets, hoses and pipes
Change oil and filter, service with 11 qts Aeroshell 15w50 and CH48109 filter.
Check filter for metal. Check for fuel and oil leaks.
Check mounting hardware for alternator and starter.
Inspect exhaust system and gaskets.
De-greased engine and lubed engine controls. Run-up, ops and leak check OK

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

Authorized Signature Martin Kress

SOMERSET AIR SERVICE, Inc.
P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359

DATE: 12-10-2015			Tach: 2492.6
REG N72124	MAKE: TCM	Model: IO-520-BB	SMOH: 675.1

Clean, gap and rotated spark plugs reinstall with new gaskets
Send both mags cut for 500 hour magneto inspection at Aircraft Magneto Service
Reinstall with new drive cushions and gaskets
Compression test 1:60 2:75 3:50 4:60 5:70 6:60 over 80psi
Inspect intake gaskets, hoses and pipes
Change oil and filter, service with 1 qt's Acrolash 15w50 and CH48109 filter.
Check filter for metal Check for fuel and oil leaks
Check mounting hardware for alternator and starter
Inspect exhaust system and gaskets
Pe greased engine and lubed engine controls Run up, ops and leak check OK

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

Authorized Signature Martin Kress

TOTALS—Carry forward to next page

TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
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SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING

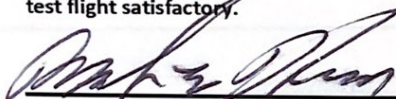
TOTALS brought forward from previous page

SOMERSET AIR SERVICE, Inc.

P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359

Date 9/9/2016	Tach: 2500.2	Make: Beech Model: F33A	N72124
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Replaced cylinders #3 and #4 due to low compression. Install 2 new TCM steel cylinder kits p/n 658552A4BP. Install new piston pins p/n SA630046. Replaced intake and exhaust gaskets as needed. Change oil and filter, service engine with 11 qts of Phillips 20w50 mineral oil and a CH48109-1 filter. Run up and test flight satisfactory.



Martin Kress

1. Approving Civil Aviation
Authority/Country:

FAA/United States

AUTHORIZED RELEASE

FAA FORM 8130-3, AIRWORTHINESS

4. Organization Name and Address

Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615

6. Item:

7. Description

8. Part Number:

1

CYL & VALVE ASSY LOADED, BAL

658552A4BP

12. Remarks:

AIRWORTHINESS APPROVAL

Serial/Batch Number(s):

Serial	Description	Serial	Description	Serial
AC16CA252	CYL & VALVE ASS	AC16CA245	CYL & VALVE ASS	AC16CA245
AC16CA288	CYL & VALVE ASS	AC16CA243	CYL & VALVE ASS	AC16CA243
AC16CA289	CYL & VALVE ASS	AC16CA337	CYL & VALVE ASS	AC16CA337
AC16CA313	CYL & VALVE ASS	AC13CA264	CYL & VALVE ASS	AC13CA264
AC16CA269	CYL & VALVE ASS	AC16CA662	CYL & VALVE ASS	AC16CA662
AC16CA291	CYL & VALVE ASS	AC16CA292	CYL & VALVE ASS	AC16CA292
AC16CA262	CYL & VALVE ASS	AC16CA294	CYL & VALVE ASS	AC16CA294

DESCRIPTION OF WORK PERFORMED—
 NAME & CERTIFICATE NO. OF PERSON PERFORMING WORK

SOMERSET AIR SERVICE, Inc.
 P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359

DATE: 3-22-2018 Tach: 2529.7
 REG N72124 MAKE: TCM Model: IO-520-BB SMOH: 712.2

Clean, gap and rotated spark plugs reinstall with new gaskets
 Compression test: 1) 30/80 2) 66/80 3) 72/80 4) 74/80 5) 74/80 6) 70/80. CYLINDER #1
 LOW COMPRESSION - BOROSCOPE CYLINDER AND INSPECT EXHAUST VALVE, APPEARS OK.
 RECOMMEND FLYING PLANE FOR 10 HOURS AND HAVING THE CYLINDER COMPRESSION
 RETESTED. **REPLACED ENGINE DRIVEN FUEL PUMP WITH AN OVERHAULED PUMP P/N 638154-
 16 S/N 3723.** RUN UP SATISFACTORY. Inspect intake gaskets, hoses and pipes. Change oil and
 filter, service with 11 qts of Aeroshell 15w50 and CH48109 filter. Check filter for metal. Check for
 fuel and oil leaks. Check mounting hardware for alternator and starter. Inspect exhaust system
 and gaskets. De-greased engine and lubed engine controls. Run-up, ops and leak check OK.

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

John A AP 3117495 TA John Bartley

SOMERSET AIR SERVICE, Inc.
 P.O. BOX 1007 Bedminster, NJ 07921 Tel: (908) 722-8251 Fax: (908) 722-1359

DATE: 4/12/2019 Tach 2547
 REG N72124 MAKE: TCM Model: IO-520-BB SMOH: 729.5

Compression test: 1) **/80 2) 66/80 3) 76/80 4) 74/80 5) 76/80 6) 78/80.
 Clean, gap and rotated spark plugs reinstall with new gaskets. **Replaced cylinder
 No. 1 due to low compression and a greenish colored exhaust valve. Install a new
 TCM cylinder kit p/n 658552A4 and a new Superior piston pin p/n SA630046.** Run
 up several times. Inspect intake gaskets, hoses and pipes. Engine oil drained. Filter
 removed and inspected for contaminants, nothing found. Install a new oil filter p/n
 CH48109-1 and serviced engine with 11 qts of Phillips 20w50 Mineral Oil. Check
 mounting hardware for alternator and starter. Inspect exhaust system and gaskets.
 De-greased engine and lubed engine controls. Run-up, ops and leak check OK.

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

John A AP 3117495 TA John Bartley

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TOTALS—Carry forward to next page

N72124, Beechcraft Bonanza, F33A, S/N CE-1047, Continental IO-520-BB, S/N 578059
 2669.5 Tach, 2669.5 Total Time A/F, 2669.5 TT Eng., 852.3 SMOH
 May 4, 2022

ENGINE: Annual Inspection completed.

Remove & replace #2 cylinder after repair for worn valve guide.

AD2022-04-04, STC Oil Filter Adapter, N/A – Affected parts not installed.

Change oil and filter, service with Phillips X/C 20w-50 to 10 quarts.

Run up – OK Checked for leaks, none found.

Checked and cleaned spark plugs. Checked fuel system, drained sumps, cleaned fuel bowl screen. Checked starter and alternator, wiring, and mounting. Checked magnetos and magneto timing. Checked exhaust system for condition and security. Engine run up and checked for leaks.

Compressions:

#1 – 66, #2 – Repaired, #3 – 62, #4 – 62, #5 – 67, #6 – 60

Tester calibrated per SB03-3, 42/80 is the lowest acceptable compression reading.

This **ENGINE** has been inspected in accordance with an **ANNUAL INSPECTION**.

All work was accomplished using Manufacturers Service Manuals and/or checklists, and was found to be in an

AIRWORTHY CONDITION.

May 4, 2022, 2669.5 Tach, 2669.5 Total Time

Peter Vajsabel A&P 3477997IA

Peter Vajsabel A&P 3477997 IA

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