

N 9742Y

eD Cell

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. [#] 1-E

Aircraft Registration No. N5481

Engine Manufacturer CONTINENTAL

Model IO-470-K

Serial No. 86103-1-K

Date installed on aircraft 3-1-82

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |

1. Approving National Aviation Authority/Country: FAA/United States	AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: Invoice # 9186
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4. Organization Name and Address:	D & G Supply #NK2R034L 1916 Industrial Drive Niles, MI 49120 Telephone: 800-446-8160	5. Work Order/Contract/Invoice Number: Work Order # 19153
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6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	FUEL Pump	638156-3		1	26657A	newly Overhauled

13. Remarks: Work order # **19153** prescribing the actual work performed is attached. The prescribed work was performed in accordance with FAA approved data.

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
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15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: Russell Romey	21. Approval/Certificate No.: 2523013
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): RUSSELL ROMEY	23. Date (m/d/y): 12/23/08

User/Installer Responsibilities

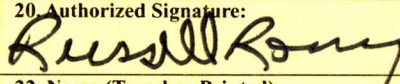
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving National Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: Invoice # 9070
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4. Organization Name and Address: D & G Supply #NK2R034L 1916 Industrial Drive Niles, MI 49120 Telephone: 800-446-8160	5. Work Order/Contract/Invoice Number: Work Order # 18993
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6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Metering Valve	625219-1		1	Q9693RA	Newly Overhauled

13. Remarks: Work order # 18993 prescribing the actual work performed is attached. The prescribed work was performed in accordance with FAA approved data.

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: 2523013
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Russell Romey	23. Date (m/d/y): 11/19/2008

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

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
	3977.1		2516.5	TOTALS brought forward from previous page
1-1-98	3977.1		2516.5	REPLACED ALT. DRIVE BELT DUE CRACKS IN BELT
"				#OFF TCM 640517-7 *ON GATES ^{XL} 7312 RIU ALL O.K.
"				A+E M.J. GRAINGER *1278275 OWNER
9-1-98	3983.8	1007.7	2523.2	PRE-INSPECTION RUN-UP, ALL PARAMETERS
				⁷⁻²⁴⁻⁹⁸ NORMAL, MAG. CK DROP 120 BOTH L+R.
				COMPRESSION CK. WHILE ENGINE WARM
				LEAKDOWN CK. OVER 80 PSI.
				*1=70 *2=70 *3=68 *4=70 *5=68 *6=68
				CHANGED OIL - REMOVED MINERAL AND
				SERVICED WITH EXXON 20W/50.
				INSTALLED NEW OIL FILTER UNIT "O"
				RING TORQUED TO 60 FT. LBS. INSTALLED
				NEW CH48110 OIL FILTER - CLEANED,
				GAPPED PLUGS - CLEANED FUEL INJECTORS,
				INSTALLED NEW INDUCTION AIR FILTER.
				REPLACED STARTER "O" RING - LUBRICATED
				TACH DRIVE CABLE - REPLACED VACUUM FILTERS
				PERFORMED OP'S CK. OF BENDIX MAG. S/W
				1AW AD 76-07-12 - OP'S NORMAL
				REMOVED + REPLACED OIL FILTER ASSEMBLY
				"O" RING + TORQUED TO 60 FT./LBS 1AW
				AD 96-12-22. INSTALL NEW APPROVED
				OIL DRAIN PLUG - ALL AD NOTES THAT
				APPLY TO THIS ENGINE HAVE BEEN REVIEWED
				FOR COMPLIANCE ^(M.J.G.) & HAVE BEEN COMPLIED
				WITH. COMPLIANCE
				M.J. GRAINGER A+E 1278275 <i>M.J. Grainger</i>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

ERRATA

9-1-98

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

Robert Smith 2208399
Cape Cod Flying Circus

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
	ENG.	—	—	TOTALS brought forward from previous page
1-20-01	AIRCRAFT 6475.0	1039.5	2544.0	
				<p>Washed engine, Compression check #1,74/80 #2,75/80 #3,74/80 #4,70/80 #5, 72/80 #6, 75/80 Changed oil , 8 Qts Exxon oil , Install new oil filter and torque adapter. 96-12-22. Checked both Mags, Clean all plugs , Cleaned air filter, Clean main fuel screen Run up & check for leaks, found ok. 100 hour inspection completed by M.J.Grainger A&P 1278275</p> <p><i>M.J. Grainger</i></p> <p>I certify that this engine has been inspected in accordance with an <u>annual</u> inspection & has been found to be in airworthy condition. A.E. Brillaud IA 1191065 01/20/2001 Tach time 2544.0</p>
12-09-02	6476.0	1030.5	2545.0	<p>PRE-INSPECTION RUN-UP (FOLLOWING STORAGE)</p> <p>ALL PERAMETERS NORMAL MAG. DROP</p> <p>100 BOTH L+R. LEAKDOWN COMPRESSION CHECK OVER 80PSI. #1/70 #2/72 #3/70 #4/74 #5/70 #6/75 - REMOVED BERYL AVIATION AIR/OILSEPARATOR AND INSTALLED (1) M-20 CRANKCASE AIR/OILSEPARATOR AND (1) 600 W-P VACUUM PUMP OIL SEPARATOR PER SUPPLIED INSTRUCTIONS (WT+ BALANCE ARE NOT EFFECTED) INSTALLED (2) NEW SLICK MODEL # 6310 MAGNETOS L/SER# 01113210 R/SER# 01113212 TIMED TO ENGINE @ 22° BTDC. INSTALLED NEW IGNITION HANNESS. INSTALLED NEW "P" LEADS FROM MAGS. TO BENDIX MAG. S/W DURING R/U PREFORMED MAG. S/W CHECK AS PER</p>
			2544.0	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
			2548.4	TOTALS brought forward from previous page
2-10-03	6480.4	1033.9	2548.4	REPLACED CRANKSHAFT SEAL - PART # 641250 DUE HEAVY OIL LEAK, REPLACED PROP (2) "O" RINGS - TORQUED + SAFETY TO SPEC. M.J. GRAINGER A+E 1278275 <i>M.J. Grainger</i>
7-10-03	6484.4	1037.9	2552.0	R/R FUEL INJECTION SYSTEM MANIFOLD VALVE ASSY. DUE LEAKING- UNIT OVERHAULED BY SOUTHEAST FUEL SYSTEMS, INC. INSTALLED + LEAK CK. R/U APL OK M.J. GRAINGER A+E 1278275 <i>M.J. Grainger</i>
1-8-04	6490.4	1051.0	2558.0	2004 ANNUAL:
MJG	6490.4	1043.5	2558.0	PRE-INSPECTION R/U - CHANGE OIL + FILTER (CH 48110) TORQUED FILTER SUPPORT TO 60'/FT LBS. + APPLIED TORQUE SEAL AS PER AD 96-12-22 COMPRESSION, CLEANED + DRESSED PROP LEADING EDGE, CK #1 72/80 #2 70/80 #3 72/80 #4 74/80 #5 70/80 #6 75/80 OPERATIONAL CK. OF ENG. CONTROLS CK OK CLEANED PLUGS, CK ALT. BELT.

Clean Engine, Compression check #1, 72/80, #2 70/80,
#3, 72/80, #4. 74/80, #5 70/80, #6 75/80 Checked Spark Plugs.
Checked Mag. Timing, Dress Propeller, Changed oil 10 Qts.
Aero Shell 100, Torque oil filter support Nut per AD 96 12 22
Apply torque seal, Clean carb. airfilter
Run Up Checked for leaks found OK.
I certify that this engine has been inspected in accordance of
An annual inspection and has been found to be in airworthy condition.

A.E. Brillaud
A.E. Brillaud IA 1191065
01/08/04 TT Engine 1051SMOH Tach 2558:0
(1043.5)
MJG

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CONTINENTAL MOTORS

A Teledyne Technologies Company

1 Ea

641250

SEAL ASM



CRANKSHAFT

FWD. SEAL

DM

1Q04

D & G Supply

NILES, MICHIGAN

FAA# NK2R034L

INSPECTION REPORT

IR # 32950

SURVEY & REPORT TAG ISSUED BY: GJ DATE: 12/23/08

ITEM Pump MFGR. TCM P/N 626062-3

SERIAL # 266SRA OTHER NUMBERS _____

MATERIAL DERIVED FROM (CHECK ONE)

CUSTOMER MATERIAL OTHER _____

CUSTOMER Grainger Account # 33004

CUSTOMER COMMENTS:

OH / update to 638156-3

INSPECTOR'S COMMENT:

disassembled, inspected, cleaned. Overhauled with new parts.
updated to 638156-3

IN-PROCESS INSPECTION

Overhauled and tested with manual

WORK ORDER # 19153
MOVE ORDER # 31683

INSPECTION FOR:
preliminary OR
hidden damage OR
in process OR
final RR

LIST OF MAJOR MATERIAL REQUIRED (QTY, NAME, PART #) USE BACK FOR ADDITIONAL MATERIAL

	<u>100% OH</u>		

OFFICE DETAIL:

MATERIAL COST \$ _____

HOURS _____ COST \$ _____

TOTAL \$ 750.00

INSPECTED BY John Rhub DATE 12/23/08

FINAL INSPECTION BY RPR DATE 12-23-08

FUEL PUMP TEST RECORD

DATE: 12/23/08

CHART #: 1

SERIAL NO.: Z665RA

CUSTOMER: Granger Aviation

WORK ORDER NO.: 19153

RT NUMBER: 638156-3

MOVE ORDER NO.: _____

R.P.M.	FLOW P.P.H.		DISCHARGE PRESSURE		TURBO PRES. HG	BLOCK OFF	REPEAT TEST	HYDROSTATIC LEAK TEST	FLUID TEMP. 75 ± 5
	REQ'D	OBSRV'D	REQ'D	OBSV'D					
000	6.5 7.0	6.7	10.5 12.0	11.0				NO LEAK	
600	37.0 38.0	37.0	18.5 21.5	21.2					
2600	149.0 151.0	150.0	29.0	29.0					
300	6.5 7.0	6.7	10.5 12.0	11.0					
350	5.0 7.0	5.5	8.0 10.0	10.0					

D&G SUPPLY INC.
FAA CERT. NO: NK2R034L

ROTATION: CCW

TESTED BY: John Rhoads

FINAL INSPECTION BY: RPRoy

REMARKS:

D & G Supply

NILES, MICHIGAN

FAA# NK2R034L

INSPECTION REPORT

IR # 32792

SURVEY & REPORT TAG ISSUED BY: G. J. DATE: 11-18-08

ITEM M. VALVE MFGR. TCM P/N 625219-1

SERIAL # Q9693RA OTHER NUMBERS

MATERIAL DERIVED FROM (CHECK ONE)

CUSTOMER MATERIAL

OTHER

CUSTOMER MJ Jack Grainger RR # 32828

CUSTOMER COMMENTS: Overhaul.

INSPECTOR'S COMMENT:

disassembled/inspected/cleaned. Overhauled with New parts.

IN-PROCESS INSPECTION

Overhauled & tested with manual.

WORK ORDER # 18993

MOVE ORDER # 31522

INSPECTION FOR:
preliminary RAJ
hidden damage KII
in process KV
final RQ

LIST OF MAJOR MATERIAL REQUIRED (QTY, NAME, PART #) USE BACK FOR ADDITIONAL MATERIAL

100%	O/H		

OFFICE DETAIL:

MATERIAL COST \$

HOURS COST \$

TOTAL \$ 350.00

INSPECTED BY K Hanly DATE 11-19-08

FINAL INSPECTION BY RPRoy DATE 11-19-08

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
2-18-04	6490.4	1043.5	2558.0	INSTALLED NEW ENGINE DATA PLATE AS PER TELEDYNE CONTINENTAL TECH PUB. # 51L00-9 DATED 2-16-2001 OLD PLATE REMOVED DUE NO DATA ON SAME ONLY SER# 86403-1-K. REMOVED PLATE FORWARDED TO ORLANDO, FL FSDD AS REQUESTED A/E. M.J. GRAINGER 1278275 <i>M.J. Grainger</i> 2-18-04
3-7-05	6502.9	1055.5	2562.0	2005 100 HR / ANNUAL PRE-INSP. R/U - REMOVED + CLEANED SPARK PLUGS - COMPRESSION CK. # 1. 76/80 2. 70/80 3. 76/80 4. 76/80 5. 72/80 6. 75/80 LUBED ENG. CONTROLS - INSTALLED NEW THROTTLE SPRING # 628371, ADJUSTED IDLE SPEED, AND MIXTURE @ CUT-OFF FOR 50RPM RISE. - ADJ. ALTERNATOR BELT. M.J. GRAINGER 3-7-05 A/E 1278275 <i>M.J. Grainger</i>
				I certify that this Engine has been inspection in accordance With an annual inspection & has been found to be in airworthy Condition 03/07/05 A.E. Brillaud IA 1191065 TTEng 6503:0 Tach 2562:0 <i>A.E. Brillaud</i>

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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
	650.5	1057.0	2564.0	TOTALS brought forward from previous page 2007 ANNUAL
10-15-07				DIFFERENTIAL COMPRESSION / PRESSURE TEST & BORESCOPE INSPECTION AS PER SBO3-3 COMPLETED 9-21-07 USING E2M UNIT. #1 #2 #3 #4 #5 #6 <u>72</u> <u>73</u> <u>74</u> <u>76</u> <u>71</u> <u>72</u> 80 80 80 80 80 80 70 PSI / BASE # REPOSITIONED EX. TAILPIPE BRACKETS L+R R/R PROP & REPLACED FWD. CRANKSHAFT OIL SEAL KIT # 641250 R/U NO LEAKS NOTED - REPLACED PROP SEALS MS 28775-231 + 228. CLEAN SPARK PLUGS - CK'D ALT. BELT TENSION - POST INSP R/U ALLOC M.J. GRAINGER A#E 1278275 <i>M.J. Grainger</i>
				Date: <u>10-15-07</u> I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in an airworthy condition and approved for return to service. Total Time: <u>650.5</u> Tach: <u>2564.0</u> NAME: <u>M. J. GRAINGER</u> A&P <u>1278275 IA</u> SIGNATURE: <i>M.J. Grainger</i>

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