Manufacturer C. M. T Model Serial 51038-5-M Type Cert	O 4 7 0 M
This engine is currently installed in aircraft: N 364	
Minimum Octane Fuel Oil Grade Summer	
Magneto Time 24° BTC L&R Point Setting	Firing Order
Spark Plug Gap Manufacturer's Recommended Overhaul at _\500 hours	/12 YRS

Engine Record General Information

_	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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M626189 OIL COOLER S.N. CC00-3774-6, 1 402141 STUD, 2 531178 RETAINER, 4 655269 CUSHION, 4 535847 CLAMP, 1 800M030 SPRING, 1 641368 BRG., 1 X13041 BRG., 1 534685 BRG., 1 SA501867 TAB-LOC, 1 631252 WORM GEAR FT, 1 536552 SPRING, 1 534980 SLEEVE, 1 CAM653749P060 GASKET/STARTER ADAPTER SPECIAL, 3 648028 CON (CYLINDERS 1,3,2), 2 654829 PISTON (CYLINDERS 4,6), 1 AEC654721 PISTON (CYLINDER 5), 48 534609 SHER, 24 653188 THRUST WASHER, 12 SA520129 BUSHING, 10 542917-1 CLAMP, 2 629163-5 CLAMP, 12 M674 SKET, 1 401893 STUD, 2 629077 SLEEVE, 1 632563 OIL PUMP BODY (NEW STYLE) OVERHAULED BY DIVCO, INC. 1, 06601

A.D.'S:

79-05-09 N.A. X CURRENT DESIGN VALVE INSTALLED/ .990" VALVE & 2.520" SCREW 96-12-22 N.A. X NO CESSNA OIL FILTER ADAPTER INSTALLED 99-19-01 AND 00-23-21 N.A. X CRANKSHAFT S.N. (INSTALLED CRANK S.N. 870753) 07-04-19R1, 14-05-29 AND N.A. X NO SUPERIOR CYLINDERS INSTALLED ON THIS ENGINE 09-19-07 N.A. X NO CONTINENTAL EQ3 CYLINDERS INSTALLED ON THIS ENGINE 16-16-12 N.A. X ENGINE MODEL

TEST RUN AND FLIGHT TEST IN ACCORDANCE WITH S.B. M89-7R1 (THIS BULLETIN HAS BEEN CORPORATED IN CONTINENTAL PUBLICATION M-0 STANDARD PRACTICE MANUAL)

DETAILS ON FILE AT PINE MOUNTAIN AVIATION L.L.C. W.O. 2291 TEL. 203-730-0771

P41508881

MAJOR OVERHAUL CONTINENTAL ENGINE MODEL 0470M S.N. 51038-5-M TO FACTORY NEW LIMITS WITH REFERENCE TO C.M.I. 0470 OVERHAUL MANUAL P.N. X30586A PARTS CATALOG FORM # X30587A, STANDARD PRACTICE MANUAL PUBLICATION # MAD ALONG WITH APPLICABLE SERVICE BULLETINS.CRANKCASE OVERHAULED BY CRANKCASE SERVICES, INC. W.O. 21208, CRANKSHAFT OVERHAULED BY AIRCRAFT ENGINE AND ACCESSORY CO., INC. W.O. 169909, COUNTERWEIGHTS OVERHAULED AND ASSEMBLED ON CRANKSHAFT BY AIRCRAFT ENGINE AND ACCESSORY CO., INC W.O.'S 182520 AND 182521 THEN BALANCED BY BARRETT PRECISION ENGINES INC. W.O. 11968, LIFTERS (6) P.N. 628488 (INTAKE) OVERHAULED BY AIRCRAFT ENGINE AND ACCESSORY W.O. 182522, EXHAUST LIFTERS (6) REPLACED WITH NEW SUPERIOR P.N. 646277, CAMSHAFT OVERHAULED BY

ACCESSORIES:

11/5/16

HOBBS 1523.5

W.O. 30029

0 HRS. S.M.O.H.

RIGHT MAGNETO P.N. 10-500566-1 S.N. 319201 REINSTALLED/NO OVERHAUL LEFT MAGNETO P.N. 10-500566 S.N. 318128 REINSTALLED/NO GVI RHAUL CARBURATOR P.N. 391572-7 S.N. 852440 INSPECTED AND REPAIR. D BY D & G SUPPLY

FUEL PUMP P.N. RG15980 S.N. F-72776 OVERHAULED BY D & G SUPPLY W.O. 32774

AIRCRAFT ENGINE AND ACCESSORY CO., INC W.O. 182518, CYLINDERS 1,3,5 (CHROME BORE) OVERHAULED BY

PINE MOUNTAIN AVIATION LLC W.O. 1802, CYLINDERS 2,4,6, (CHROME BORE STUD ASSEMBLIES) OVERHAULED

BY GIBSON AVIATION W.O. 105926 AND ASSEMBLED WITH VALVES BY J & J AIR PARTS, INC. W.O.'S 74798, 74799

74800, CONNECTING RODS OVERHAULED BY RICK ROMANS, INC. W.O. 48739.

PARTS:

6 656990 BOLT, 4 654589 BOLT, 12 654487 NUT, 12 655960 ROD BOLT, 1 SA641250 SEAL, 12 630826M010 BRG., I EQ7022 STUD KIT, 1 SA537401A3M10 BRG. KIT, 4 538989 WASHER, 12 25171 WASHER, 1 537432 CAM GEAR, 1 657175 CRANK GEAR (SVB.), 1 537721 BRG., 2 633334M010 BRG., 48 SA531001 BASE NUT, 16 SA652541 BASE NUT, 2 641361 PLATE, 4 628321-38, 1 10-9003 BRACKET, 5 627433 BOLT, 2 MS20074-04-03 BOLT, 2 MS20074-04-04, 4 501868 TAB-LOC, 1 CR6767 SEAL, 1 646546A1 GASKIT SET, 1 532432 PLUG, 2 538468 BUSHING, 1 640620-9 OIL CAP,

CONT. NEXT PAGE:

TODAY'S TOTAL **Description of Inspections, Tests, Repairs and Alterations** RECORDING YEAR TIME IN FLIGHT Entries must be endorsed with Name. Rating and Certificate Number of TIME SERVICE Technician or Repair Facility. (See back pages for other specific entries.) DATE

1 CAM626189 OIL COOLER S.N. CC00-3774-6, 1 402141 STUD, 2 531178 RETAINER, 4 655269 CUSHION, 4 535847 CLAMP, 1 S539800M030 SPRING, 1 641368 BRG., 1 X13041 BRG., 1 534685 BRG., 1 SA501867 TAB-LOC, 1 631252 WORM GEAR SHAFT, 1536552 SPRING, 1534980 SLEEVE, 1 CAM653749P060 GASKET/STARTER ADAPTER SPECIAL. 3648028 PISTON (CYLINDERS 1,3,2), 2 654829 PISTON (CYLINDERS 4,6), 1 AEC654721 PISTON (CYLINDER 5), 48 534609 WASHER, 24 653188 THRUST WASHER, 12 SA520129 BUSHING, 10 542917-1 CLAMP, 2 629163-5 CLAMP, 12 M674 GASKET, 1 401893 STUD, 2 629077 SLEEVE, 1 632563 OIL PUMP BODY (NEW STYLE) OVERHAULED BY DIVCO, INC. W.O. 06601

A.D.'S:

99-19-01 AND 00-23-21 N.A. X CRANKSHAFT S.N. (INSTALLED CRANK S.N. 870753) 07-04-19R1, 14-05-29 AND N.A. X NO SUPERIOR CYLINDERS INSTALLED ON THIS ENGINE 09-19-07 N.A. X NO CONTINENTAL EO3 CYLINDERS INSTALLED ON THIS ENGINE 16-16-12 N.A. X ENGINE MODEL TEST RUN AND FLIGHT TEST IN ACCORDANCE WITH S.B. M89-7R1 (THIS BULLETIN HAS BEEN

96-12-22 N.A. X NO CESSNA OIL FILTER ADAPTER INSTALLED

79-05-09 N.A. X CURRENT DESIGN VALVE INSTALLED/ .990" VALVE & 2.520" SCREW

INCORPORATED IN CONTINENTAL PUBLICATION M-0 STANDARD PRACTICE MANUAL) DETAILS ON FILE AT PINE MOUNTAIN AVIATION L.L.C. W.O. 2291

TEL. 203-730-0771

YEAR 20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alter Entries must be endorsed with Name, Rating and Certificate Num Technician or Repair Facility. (<i>See</i> back pages for other specific e	nber of entries.)	1 3	TODAY'S		Description of Inspections, Tocs, Hepairs and Anterantions SPECT C.M.I. ENGINE MODEL 0470M S.N. 51038-5-M FOR METAL	
======================================	GINE MODEL 0-470-M GINE S/N (R) 038-5-M G NO N3641D DRK ORDER 19-10-2016 qht Engine Entrie	E SM USE of	Hildt Aviation 22 Jetway Drive Albany, NY 1221 Phone 518 618	AC TSN 2403 7 ENG TI (R) 0		HOBBS 1535.5 CTOTAL IN 12 HRS S.M.O.H. CCOOLER SERVICE W.O. 242249 CYLINDER P.	ONTAMIN NC. W.O. 6 RANKSHA ERVICE B I 19394, CA OSISTION	NATON (ALU 4799 OVERH FT SENT TO ULLETIN 90 MSHAFT AL IS 2, 4, 6 RE	JMINUM) / FOUND # 6 CYLINDER (CHROME BORE) / J & JAIR PARTS JEATED CAUSING SEVERE CYLINDER AND PISTON DAMAGED. D PENN YAN AERO FOR INSPECTION I.A.W C.M.I. MANDATORY 6-10B W.O. 45837-17, OIL COOLER OVERHAULED BY PACIFIC OIL NOLLIFTERS RECONDITIONED BY AIRCRAFT SPECIALTIES SVS. INC. PLACED WITH PINE MOUNTAIN AVIATION L.L.C. OVERHAULED	
TO	ISTALLED THIS ENC	GINE ON N3	,641D, CESSNA 3 N OPS AND LEAF	10 SN: 35341, SERVICED WITH (11) QTS AEROSHELL 80 MINERAL C/W CHECK SATISFACTORY.		ASSYS. W.O. 1802, CYLIN. COMPLETING THE INSP 0470 OVERHAUL MANUA	DERS 1, 3, ECTION A AL P.N. X3	5 INSPECT ND REPAIR 0586A, PAR	ED AND REINSTALLED (12 HRS SINCE OVERHAUL) .AFTER S THE ENGINE WAS REASSEMBLED WITH REFERENCE TO C.M.I. TS CATALOG FORM # X30587A, STANDARD PRACTICE MANUAL LE SERVICE BULLETINS USING PARTS SHOWN BELOW.	
	e aircraft and/or compor is found Airworthy for ret der Work Order No 221 ATE: 11/2/2016	19-10-2016 Da	641D was repaired and on work performed unated 11/2/2016 IGNED:	nd inspected in accordance with current FARs rules of the Federal Aviation Regulations and under this work order and signoff. Pertinent details of the repair are on file at this repair shop. Work Order: 2219-10-2016	li l	PAR 1 641250 SEAL, 12 630826N BOLT, 4 654589 BOLT	12 65		2 655960 BOLT, 1 SA646546A1 GASKET SET, 1 SA537401A3 MI0 BRG. SET, ERNATHERM VALVE (173 DEGREES F.), 2 633334M010 BRG., 6 656990	
		33	alle initiaeribrandt, As	Printed by EBis 3 (datcomedia.com)		TES' BEEN INCORPORATED I	FRUN AN N CONTIN	D FLIGHT T VENTAL PUI	TEST IN ACCORDANCE WITH S.B. M89-7R1 (THIS BULLETIN HAS BLICATION M-O STANDARD PRACTICE MANUAL)	
_						I CE WITH F.A.A. REGULATIO	CRTIFY TI ONS AND I	IAT THE AE IS APPROVE	BOVE REPAIR WAS PERFORMED AND INSPECTED IN CONFORMANCE ED FOR THE RETURN TO SERVICE	
							DETAILS	ON FILE AT	PINE MOUNTAIN AVIATION L.L.C. W.O. 2398 TEL. 203-730-0771	
	1	1		1 of 1					JA D	
									V P41508881	

DATE LIME SERV	VICE	Technician or Repair Facility. (See back pages for Tuffical Number					
8-17-17 1535.5	La	Left Magnets Failed Outen, first	YEAR 20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	7	replace lett magneto Day	LANSIN	G FLIGHT SU	PPORT		N3641D
		SU FO6160 00560	72 SICK	ER RD			#2 ENG S/N #51038-5-M
	7	The glound lun To	LATHA	M, NY 12110)		
	,	elegar Continental SB M89.7R1	(518) 2	20-4444			
	- 6	A Replace left magneto put 10-500568 EN FO6168 performed grand IVN Isau Eledgre Continental 5B M89.7R1 all Ingine forameters notion 1. Aichael lansing flood from AD 3336085	17 SEP	2019 246	0.4 ACTT	(#2 ENG 56.7	SMOH / TT = UNK) Completed Annual Inspection IAW Cessna /
		Michael lansing 1/10/	Contin	ental Teledyn	e Mainte	nance Manua	ls. Oil change was completed and was re-serviced with 12 QTS
LANSING FLIGHT SUPPORT		H. 3336085	Aerosh	ell SAE 50 Wt	t. Oil filte	r was remove	d and inspected and no debris was found. New filter was installed (P/N
72 SICKER RD		N3641D	#AA 48	108-2) and sl	howed no	leakage duri	ng run-up. Compression Test was completed (Hot); with the final
LATHAM, NY 12110			readin	gs #1 = 77/80	#2 = 70,	/80 #3 = 62/	80 #4 =77/80 #5 = 65/80 #6 = 72/80. Records check revealed no
		#2 ENG S/N #51038-5-M	new Al	D's since last	Annual In	spection (See	AD Compliance Sheet). All Ground Runs and Leak Checks / Operational
(518) 220-4444			Checks	were comple	eted satis	factory. I cer	tify that this ENGINE has been Inspected IAW an ANNUAL Inspection
2 AUC 2040			and fo	und to be in a	an Airwoi	rthy Conditio	
3 AUG 2018 2432.2 ACTT ((#2 ENG 28	3.5 SMOH / TT = UNK) Completed Annual Inspection IAW Cessna /					Sean Healey
Continental Teledyne Mainten	nance Mar	nuals. Oil change was completed and was re-serviced with 12 QTS					Sean Healey
Aerosnell 15W-50. Oil filter w	vas remove	nuals. Oil change was completed and was re-serviced with 12 QTS and inspected and no debris was found. New filter was installed (P/N purplession Took was reserved.)		ı	1	1	A&P #3156353IA
Fooding 12	leakage di	uring run-un. Compression Test					
1 cauliles #1 = /2/80 #2 = 74/8	100 HD -	rest was completed (Hot): with the final					
Incw AD 5 SINCE last Annual Inc	cn + ' - ' -	"5 74/60 #6 = 78/80. Records check revealed no				l .	
Checks were completed satisfa	factory. I c	10/80 #4 =72/80 #5 = 74/80 #6 = 78/80. Records check revealed no see AD Compliance Sheet). All Ground Runs and Leak Checks / Operational certify that this FNGINF has been January to the control of the					
and found to be in an Airwort	thy Condi	pee AD Compliance Sheet). All Ground Runs and Leak Checks / Operational certify that this ENGINE has been Inspected IAW an ANNUAL Inspection tion.			-		
	,	1	-				
		S-d-f					
		Sean Healey	-				
A second second section of the second	150	A&P #3156353IA					

	THE PART OF THE SECTION OF THE SECTI								N3641D	
YEAR	RECORDING	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Bating and Configurations	` _	- LANSII	NG FLIGHT SUPPORT		#2 ENG S/N #51038-5-M	S
20	TACH TIME	FLIGHT	SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility (See back power for	YEA	A 72 SICE	KER RD		,	
DATE	1			Trooming of Hopair Facility. (See back pages for other specific entries)	20	LATHA	M, NY 12110)
	NG FLIGHT SUI	PPORT		N3641D	DAT	(518) 2	220-4444			
72 SICI				#2 ENG S/N #51038-5-M				(UNIX) Completed Annual Inspect	ion IAW Cessna / Continental	
	M, NY 12110				_	13 JUN	N 2022 2499.0 ACTT (95.3 SM	10H / TT = UNK) Completed Annual Inspect I change was completed and was re-serviced	d with 12 QTS Aeroshell 100W. O	ál
(518) 2	220-4444					Teledy	ne Maintenance Manuals. Oi	change was completed and was re-served	alled (P/N #AA 48108-2) and	
						filter w	vas removed and inspected ar	id no debris was found. New fine. Was with	the final readings #1 = 72/80 #2	2
15 API	R 2021 2488.	.3 ACTT (8	4.6 SMOH /	TT = UNK) Completed Annual Inspection IAW Cessna / Continental		showe	ed no leakage during run-up. (id no debris was round. New lines was not compression Test was completed (Hot); with $5 = 64/80$ $#6 = 72/80$. Records check reve	ealed no new AD's since last Annu	ıal —
Teledy	ne Maintenan	ice Manu	als. Oil chang	ge was completed and was re-serviced with 12 QTS Aeroshell 100W. Oil		= 64/8	80 #3 = 70/80 #4 = 70/80 #	et). All Ground Runs and Leak Checks / Oper	ational Checks were completed	
filter v	vas removed a	nd inspe	ted and no d	ebris was found. New filter was installed (P/N #AA 48108-2) and		Inspec	tion (See AD Compliance Shee	NE has been Inspected IAW an ANNUAL Ins	spection and found to be in an	
showe	d no leakage o	during rui	1-up. Compre	ession Test was completed (Hot); with the final readings #1 = 76/80 #2		satisfa	actory. I certify that this ENGI	NE has been inspected law an Artiforna in	/	
= 72/8	0 #3 = 72/80	#4 =78,	'80 #5 = 68/	#80 #6 = 76/80. Records check revealed no new AD's since last Annual		Airwo	rthy Condition.	6	-h-f	
Inspec	tion (See AD C	ompliand	e Sheet). All	Ground Runs and Leak Checks / Operational Checks were completed	-	-		Sean He	alev	
			s ENGINE has	been Inspected IAW an ANNUAL Inspection and found to be in an		_			156353IA	
Airwo	rthy Condition	1.								
				Em)						
				Sean Healey						
	ş			A&P #3156353IA	_					
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EAR) ATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	FLIGHT SUP	PORT	•	N3641D -
72 SICKE				#2 ENG S/N #51038-5-M
	NY 12110			
(518) 220				
-				
17 AUG 2	023 2504.9	ACTT (10)1.2 SMOH /	TT = UNK) Completed Annual Inspection IAW Cessna / Continental
- 1 1	Maintonanc	o Manual	 Oil change 	was completed and was re-serviced with 12 Q15 Aerosnell 100W. Oil
Claration	romoved an	d inspect	ed and no de	bris was found. New filter was installed (P/N #AA 48108-2) and
والممانية الما	o lookaga di	ring run-	up. Compres	ssion Test was completed (Hot); with the final readings #1 = $\frac{72}{80}$ #2 —
- CA/00	#2 - 70/80	#4 = 74/8	0 #5 = 75/8	#6 = 74/80. Records check revealed 3 new ADs since last Annual
Inchactio	n AD 2023-4	12-12 (Sui	perior Intake	Valves Installed) which was N/A by No Applicable Parts Installed. AD
2023-04-	08 (Cranksha	ft Assemi	oly Inspection	n), which was superseded by AD 2023-05-16, both of which were N/A
by Engine	Model Num	ber. All	Ground Runs	s and Leak Checks / Operational Checks were completed satisfactory. I
certify th	at this ENGI	NE has be	en Inspecte	d IAW an ANNUAL Inspection and found to be in an Airworthy
Conditio				
Comania	6-182			5 mg
				Sean Healey
				A&P #3156353IA
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- # 30 to 177 - 16.		Mark Control	· ACULTOWN!	
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