## ANOTHER QUALITY OVERHAUL



OF MIAMI, FLORIDA



ASA-SE-2

RECORDING TODAYS 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.)
24 June 2002	
After final assembly, this temperatures, pressures &	engine was run-in for a period of three hours with all performances within those limits as prescribed by the factory.
All airworthiness directive logbook. This engine is airwo	es complied with at major overhaul are listed at the rear of this rthy & acceptable for return to normal service.
	Certified Engines Unlimited Inc "Opa Locka Airport, Florida USA CRS#KG4R309M Invoice/wo#39208/15952 "2A June 2002
	Authorized Signatures Authorized Signatures

Description of Inspections, Tests, Repairs and Alterations DATE RECORDING TODAYS TOTAL Entries must be endorsed with Name, Rating and Certificate Number of TACH FLIGHT TIME IN Technician or Repair Facility. (See back pages for other specific entries.) 19 TIME SERVICE 24 June 2002 All recommended parts listed in the Continental Overhaul Manual & Service Bulletin 5B#97-6 were installed at time of this overhaul.... (see list below): FAA-PMA Parts are frequently substituted for Teledyne Continental Motors & Avco-Lycoming factory parts. SA639193 SA643828-101 SA643828-103 SA643828-103 SA629104 SA643829 646586A1M010 SA534379 SA646277 SA62448 MS35756-8 SA632443-4 SA630046 SA630046 SA630046 SA630046 SA630068 SA63068 SA6 654565M015 534715 502287-3 CLUTCH SPRING RING-INT RET RET RING WASHER-TAB 16 BUSHING
PIN
PIN
PIN
LOCK RING
PLATE, CRANKSHAFT DAMPNER
BEARING SET RET RING
WASHER-TAB
ROCKER ARM SHAFT
WASHER. PL
SCREW-HEX
FORD GOV GASKET
EXHAUST VALVE
INTAKE VALVE
EXHAUST GUIDE
SPRING
SPRING
SPRING
SPRING
VALVE KEY
SEAL-VLV GUIDE
ROTOCOIL ASSY
PISTON 5.2
RING SET 501867 SA652984 SA652984 653309 MS90725-12 MS9144-01 AEC637781 AEC539988 SA643767 P10 SA643766 P10 SA631521 SA637837 SA24802 18 16 12 12 SCREW
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ROOK ARM BUSHING SA24802 646985 SA629117-1 24 12 654850P010 654716P010 SA630826 M10 X13041 534685 641368 Certified Engines Unlimited Inc ... Opa Locka Airport, Florida USA CRS#KG4R309M 24 10 24 SA639629 SA642917-1 SA636125 M2361 HOSE Invoice/wo#39208/15952 24 June 2002 ROCK ARM BUSHING INTAKE HOSE Authorized Signature: HARNESS HOSE KIT SA632424-A3 GASKET SET MAJOR OVERHAUL PLUG, EXPANSION SA24770 SA641250 SA638172 BUSHING, RUBBER BEARING SA537721 SA350998 BUSHING @ 1991 ASA Description of Inspections, Tests, Repairs and Alterations TOTAL TODAYS RECORDING Entries must be endorsed with Name, Rating and Certificate Number of DATE TIME IN FLIGHT TACH Technician or Repair Facility. (See back pages for other specific entries.) SERVICE TIME 19 24 June 2002 This engine model Continental IO-520 A, serial #190164-8-A was overhauled by Certified Engines Unlimited, Inc., of Opa Locka, Florida according to factory recommended procedures, specifications, limits & pertinent Federal Aviation Regulations. All internal steel parts were magnafluxed & all non-ferrous materials were checked for cracks. All the guidelines from the Continental Overhaul Manual X30039A were followed at time of overhaul. Both magnetos IRAN'd by Executive Accessories, CRS#RL4R496M. The starter OHC by Aerotech of Louisville, CRS#PU4R453M. The hydraulic pump OHC by Dixie Air Parts. The oil cooler OHC by Drake Air, CRS#112R899K. The fuel control assy, manifold valve assy & fuel pump OHC by Southeast Fuel Systems, CRS#TW4R559M. All tags received from accessory suppliers are located at the rear of this logbook. The camshaft reground to manufacturer specifications by Rock Aviation, CRS#RA4R115J. The crankshaft ultrasonic inspected per TCM MSB#96-10 by Palm Beach Aircraft Propellers, CRS#LU4R349M. The crankcase OHC by Divco, CRS#DB2R762K. Six P.010 OHC cylinder assemblies, a new ignition kit & a new set of spark plugs were installed. Certified Engines Unlimited Inc "Opa Locka Airport, Florida USA CRS#KG4R309M Invoice/wo#39208/15952 24 June 2002 Authorized Signature;

© 1991 ASA

DATE 19	RECORDING TACH TIME	TODAYS 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.)
				CERTIFIED
				NGINES NLIMITED, INC.
		MAII	NTENAN	CE RELEASE
				FAA CRS# KG4R309M
			e with curre	nd/or component identified was repaired and inspected in nt Federal Air Regulations and was found airworthy for
			CAUTIO	N! CAUTION!
				according to Warranty will be voided if all ail fed accord
	ta A	actory rec	commended	procedures. run or slow
	- fli	aht as this	causes new	ed in logbook at time of engine overhaul.
	ag	ge and will	void warranty	eg. prop, prop governor, oil cooler, oil tank.
	Fo	r proper w	arranty cove	rage consult & all fuel & oil lines.
	Ce	iustments:	ines before a are made on	the engine
				pair are on file at this agency under:
	INV	/WO# <u></u>	1708/1	5952 Date 6/24/02
	Class	7	1.11	11.00
	Sign		orized individual)	
				For Could be
		/	marriada)	For: Certified Engines Unlimited
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3 1. det ods or . 2. first	RECORDING TACH TIME  Subject Matter and fects in material work is listed or to any engl altered in any manne Time Limits. This W it. An additional prorai	Scope of Warmanship. This ince which has be a which in the jarranty for partied warranty except the warran	TOTAL TIME IN SERVICE  RTIFIED  1000 N.W. 14  LIMITEL Warranty is expresseen subject to mis udgment of CEU I s and labor, extended is and opera-	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.)  ENGINES UNLIMITED, INC. FAA CRS# KG4R309M Isth Street, Airport, Opa-Locka, Florida 33054 Phone: (305) 685-8331  OVERHAUL WARRANTY  Ingines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions and conditions are referred to a set forth below and shall not apply outside the operational peri- ssly subject to the terms and conditions are referred to a set forth below
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1. del odd or 2. firs Engran 3. guid 4 5. for t of b engin 6. WHILLAR RAAIN S IN N 7 7	RECORDING TACH TIME  Subject Matter and fects in material work is listed or to any engi- altered in any manne Time Limits. This Wit. An additional proral ignes Unlimited consi iny hours based upon Express Conditions delines. Proper maintenance Limitations and Ex- the cost of reasonable usiness, located at C interest of the cost of reasonable ines. THIS WARRANTY IS ETHER WRITTEN O R PURPOSE, AND A TY IS ALSO IN LIE STRICT LLABILITY IN IO CASE EXCEED 1 INIMITATION ON LL INIMITATION ON LL INIMITATION ON LL	Scope of Warmanship. This ine which has to rank the dwarranty for particled warranty for particled warranty for particled warranty a minimum us. As a time and clustons. All pe labor and ma Dpa-Locka, Flou and the property of the control of the co	TOTAL TIME IN SERVICE  RTIFIED  1000 N.W. 14  LIMITEL  Tranty. Certified Er Warranty is expreseen subject to mis udgment of CEU is and labor, extent ends, parts only, end use and opera age of 30 hours a tondition of this to be kept by and arts and labor are terials necessary in dia. Under no circ UDING, BUT NC WARRANTY AR HER OBLIGATIO NY RIGHT ARISI LLOCABLE TO TO O EVENT, WHE	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.)  ENGINES UNLIMITED, INC.  FAA CRS# KG4R309M [5th Street, Airport, Opa-Locka, Florida 33054 Phone: (305) 685-8331  OVERHAUL WARRANTY  Inglines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from sally subject to the terms and conditions set forth below and shall not apply outside the operational peri- susse, neplect, accident or damage from the elements or which has been installed, repaired, maintained has had an adverse effect on the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the performance or reliability of engine or part. As the data of the or performance or reliability of engine or part.  Warranty, the customer is required to follow factory recommended service procedures and maintenance  Warranty, the customer is required to follow factory recommended service procedures and maintenance  Warranty, the customer is required to follow factory recommended service procedures and maintenance  Warranty, the customer is required to follow factory recommended service procedures and maintena
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	This Document Is To Serve As Certific	
DATE RECO	Major Overhaul and Block Test Rui	n by Iterations lumber of
19 TACI	Certified Engines Unlimited	fic entries.)
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	MODEL 10-520 A SERIAL # 190/64	4-8-A
	TOTAL TIME 2965.45 HRS. AD. NOTES: C/W SEE	
	PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE	AT THIS AGENCY UNDER
	INV/WO # 39308//5953 DATE 63	4102
	1 H	
	SIGNATURE OP AUTHORIZED INDIVIDUAL	D ENGINES UNLIMITED, INC.
	College of Actionization and Action	
	4000 N.W. 145th Street, Airport, Opa-Locka, Florid	da 33054
	Phone: (305) 685-8331 Fax: (305) 681-80	027
	JAR 145 APPROVED	FAA CRS# KG4R309M
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4		
Engine Record	eneral Information	
Elig		1 + 22-201-2
		Inv/mo#39208/15952
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Manufacturer Tele	The continector Model 10-300	2606 26
190164	Type Certificate	2008-20
		F
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## The Standard



	PROPELLER INSPECTION PALM BEACH AIRCRAFT F.A.A. Approved Repair S JAA Acceptance Certific	PROPELLER, INC.
Date: Mar 11, 2003  Customer: American Propeller 20208 Charlanne Dr. Redding, Ca. 96002  Phone Number: 800-29		Propeller Mfg. McCauley
Aircraft Model: 210H Special Instructions: Warranty	Engine Model:	TT: TSLO:
Incoming Preliminary Inspection: Tear Down MO General Apperance Fair		Parts Missing LEAKING RED OIL
	Propeller was: Re-Sealed	As per mandatory Service Information: 137W  From installation date, next OHC Due: TIME REMAINING
B complied with:  NA  complied with:		Components Identified were: Re-Sealed in accordance with current FAA regulations and were found AIRWORTHY for return to service. Pertinent details of the work performed are on file at this agency.
Aircraft Model: Special Instructions: Warranty  Incoming Preliminary Inspection: Tear Down MO	P. Colled	As per mandatory Service Information:  From installation date, next OHC Due:  Components Identified were: in accordance with current FAA regulations and were found AIRWORTHY for return to service. Possible of the components of the current of the

AD complied with:

BAPI-G1B (rev. 10/00)

Mar 13, 2003

Michael F. O'Neill 2348887

DATE	RECORDING TACH TIME	TODAYS FLIGHT		ENTRIES MUST BE ENDORSED WITH NAME RATING AND CERTIFICATE NUMBER OF
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7/14/89	THE	4 5	the Change Awoshell 100
9/25/88	7.0	VB.	The Chy - geroshed 100 2389.0 & Aud Rum
100 HR +	ANNIAC,	NSP CONT 2 & EXALSI SA CHACKS	PRATER PAR CESSNA 210 CHRECK 45T CHECKER MAY TRANSING SYSTEM-OK COMPAGNING EMECK 78 77 76 DIL ADALISIS OK OK JA 1979 78

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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<b></b> 77-05	-04 . N	N/A NOT	FOR IO 5	20 A
77-13	22 * (	CRANKCA	ASE INSPE	ECTED FOR CRACKS
79-05	09 N	I/A NOT	FOR IO 52	20 A, HAS ORIGINAL OIL RELIEF VALVE
80-01-	04 N	/A NO R	EBARREI	LED CYLINDERS
81-24-	06 N	/A ORIG	INAL FUE	EL PUMP
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D. 19	•	RVICEABLE	100	CEPTIFICATE N	NUMBER OF
D/ 15		ERVICEABLE	Onent	reraft component identifie  Nas repaired and inspected ince with current Regulation Federal Aviation Agency an oved for return to Service, at details of the repair are of Authorized Representative)  DIVCO, INC.  FAA Certified  BIN SHERIDAN RD.  ILSA, OKLA. 74115  ILSA, OKLA. 74115	NUMBER OF
D/ 19	•	SERVICEABLE   Gr. Name   Cm	Onent	was repaired and inspected identified was repaired and inspected idence with current Regulation.  Federal Aviation Agency an proved for return to Service, ent details of the repair are of Authorized Representative.  DIVCO, INC.  FAA Certified  Pall Station No. 212-51  BOG N. SHERIDAN RD.  TULSA, OKLA. 74115	NUMBER OF ENTRIES.)
D/ 19		SERVICEABLE Migr. Name	Component Name Chauklass Model ZO 520 Serial M / N 4/9	incraft component identifies  Was repaired and inspected is and inspected is and continuous with current Regulation. Federal Aviation Agency and details of the repair station and details of the repair are of Authorized Representative of Authorized	NUMBER OF
D) 15		F 4	Component Model Serial	The aircraft component identifies above was repaired and inspected a accordance with current Regulation of the Federal Aviation Agency and is approved for return to Service. Pertinent details of the repair are of file at this repair station under Work Order No. 222-51  Signed Repair Station No. 212-51  ZEGG N. SHERIDAN RD.  TULSA, OKLA. 74115	NUMBER OF C ENTRIES.)
D) 15		SERVICEABLE Migr. Name	Component Model Component Serial	The aircraft component identified above was repaired and inspected is above was repaired and inspected is approved for return to Service.  Pertinent details of the repair are of file at this repair are of file at this repair are of Muhorized Representative.  BIONCO, INC.  FAA Certified  Repair Station No. 212-51  Z806 N. SHERIDAN RD.  TULSA, OKLA. 74115	NUMBER OF C ENTRIES.)
D) 19		87-26 87-26	Component Model LO-101 N/W 80-101 N/W N/N N/N	The aircraft component identified above was repaired and inspected in accordance with current Regulation of the Federal Aviation Agency and its approved for return to Service.  Pertinent details of the repair are of Signature of Authorized Representative Cignature Cignatu	NUMBER OF C ENTRIES.)
15		87-26 87-26	Component Model Component Serial	The aircraft component identified above was repaired and inspected in accordance with current Regulation of the Federal Aviation Agency and its approved for return to Service.  Pertinent details of the repair are of Signature of Authorized Representative Cignature Cignatu	NUMBER OF ENTRIES.)
D/ 15		87-26 87-26	Component Model LO-101 N/W 80-101 N/W N/N N/N	The aircraft component identified above was repaired and inspected in accordance with current Regulation of the Federal Aviation Agency and its approved for return to Service.  Pertinent details of the repair are of Signature of Authorized Representative Cignature Cignatur	NUMBER OF C ENTRIES.)
D) 15		87-26 87-26	Component Model LO-101 N/W 80-101 N/W N/N N/N	The aircraft component identified above was repaired and inspected in accordance with current Regulation of the Federal Aviation Agency and its approved for return to Service.  Pertinent details of the repair are of Signature of Authorized Representative Cignature Cignatu	NUMBER OF C ENTRIES.)

50		TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
TIME	TODAYS FLIGHT	TIME IN SERVICE	MECHANIC OR REPAIR FACILITY, (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
			Continental AD'S
	70-1- 72-2-	4-03 N/A	COMPLIANCE EDLE VALVE CEMENTED PER AD, 7/20/70 A NOT FOR 10 520 A
	77-05 77-13 79-05 80-01	3-22 CRA 5-09 N/A	A NOT FOR IO 520 A NAKCASE CRACKED, REPAIRED-YELLOW TAG ATTACHED A NOT FOR IO 520 A, HAS ORIGINAL OIL RELIEF VALVE A NO REBARRELED CYLINDERS
9/2/1002256.6	81-24 86-13 87-14 87-23	0-04 N/A	ORIGINAL FUEL PUMP CYLINDERS DATED BEFORE 1985 & MORE THAN 485 HRS. NOT AIR CONDITIONED RASONIC & MAG PART. INSP. BY Q.C. LAB
	87-26 87-26	-01 N/A -08 N/A	NOT FOR 10 520 A NOT FOR 10 520 A
	08-	03-606	William a for the NIA to this engine
	100000	AND DESCRIPTION OF THE PERSON NAMED IN	

DATE RECORDING	CAP TO CYLINDER HOLDDOWN BOLT. ENGINE REMOVED AND DISMANTLED.  CRANKCASE SENT TO DIVCO FOR INSPECTION AND REPAIR, PAPERWORK
	ATTACHED.  CRANKSHAFT SENT TO Q.C. LABS FOR MAG PARTICLE, AND ULTRASONIC  INSPECTION IN ACCORDANCE WITH CONTINENTAL SERVICE BULLETIN.  CAMSHAFT, CRANKCASE THRU-BOLTS, PISTON PINS, CONNECTING RODS,  CONNECTING ROD BOLTS, AND ROCKER ARMS ALSO INSPECTED BY Q.C. LABS  AND FOUND SERVICABLE(ONE NUT RED TAGGED AND REPLACED) PAPERWORK
24/36 2256.6	ATTACHED.  6 NEW EXHAUST VALVE GUIDES AND 2 NEW INTAKE VALVE GUIDES INSTALLED. NEW EXHAUST VALVES(6) INSTALLED. ALL INTAKE VALVES MET LIMITS. CYLINDERS BEAD BLASTED INSPECTED AND FOUND SERVICABLE. ALL CYLINDERS, PAINTED, HONED AND NEW RINGS INSTALLED. INSPECTION OF HYDRAULIC LIFTERS SHOWED NEGLIGIBLE WEAR. ONE LIFTER FAILED FUNCTIONAL TEST RECOMMENDED BY
	CONTINENTAL AND WAS REPLACED. CRANKSHAFT POLISHED AND NEW MAIN BEARINGS AND ROD BEARINGS INSTALLED. STARTER MOTOR INSPECTED AND CLEANED, NEW SPRING INSTALLED FUEL INJECTION SYSTEM CLEANED AND INSPECTED. DIAPHRAM REPLACED IN SPIDER.
	ALTERNATOR INSPECTED AND CLEANED, NEW BELT INSTALLED.  NEW MAGNETO INSTALLED ON RIGHT SIDE, ALL NEW SPARK PLUGS AND  SPARK PLUG WIRING HARNESS INSTALLED  ENGINE FILLED WITH NON-DETERGENT OIL AND GROUND RUN

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS  ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF  MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
18/2	2050		2050	1/2 10/ 4 file Compression 201
				79/18/16/18/19/78 Multher removed and inspected all Red, oil and hy drawling
			Wil-	Aps in Arrepalt log. Oil analysis Oh
		144		1068 HAS SiNCE TOP 0/H
				C) Word of the

PATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				,
hi A	6			P lead repaired
79				replaced gastet on oil Conten
				Adm 2124269
-				

	#2	
	ENGINE RECORD — GENERAL INF	
19011U-8-	2/0MODEL	Z/OTYPE_CERTIFICATE
RIAL TOTAL OF THE PROPERTY OF	IRCRAFT 6/27F	
NIMUM OCTANE FUEL	OIL GRADE SUMMER	WINTER
GNETO TIME	POINT SETTING	FIRING ORDER
RK PLUG GAP		
G. RECOMMENDED OVERHAUL AT		HOURS.
		The Standard