

The Standard

ENGINE LOG

ASA-SE-2

Serial 3/1/4/	Type Co	ertificate	
Manufacturer Continental	Model _	TSIO 360 MBI	

This engine is currently installed in aircraft: N252BH

Minimum Octane Fuel _____ Oil Grade Summer ____ Winter _____

Magneto Time ____ Point Setting ____ Firing Order ____

Spark Plug Gap

Engine Record General Information

Manufacturer's Recommended Overhaul at _____ hours

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	I HAIE HA	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.)

June 1, 2001. Hobbs Time 1025.5. Time Since Major Overhaul 403.2. Performed differential compression test: #1 - 75/80, #2 - 75/80, #3 - 72/80, #4 - 69/80, #5 - 75/80, #6 - 74/80. Checked rocker covers, push rod housings, Scat tubing and engine baffles. All in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found some carbon and one sliver of ferrous metal. Installed new CH48108 oil filter and 8 quarts Aeroshell 15/50 oil. Checked mag timing. Found both to fire properly at 20° BTDC. Ignition switch "off" position functions properly. External magnetos and ignition harnesses in good condition. Cleaned, inspected, gapped and tested all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Found all in good condition. Inspected intake system. Alternate air system and warning light operational. Electric fuel pump operational. Found fuel flow transducer bracket cracked. Fabricated and installed new bracket. Air box and paper air filter in good condition. Blew out filter with compressed air. (Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Opened both heat muffs and inspected entire exhaust system. Found in good condition. Troubleshot #6 EGT probe. Repaired failed wire and protected with heat-shrink tubing. External vacuum pump and associated plumbing in good condition. Standby vacuum system operational. Dual alternator mounts and leads in good condition. Alternator belt in good condition. Starter mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Inspected and cleaned gascolator screen. Washed engine and cowl. Test ran engine. Found temperatures and pressures normal, mag drop normal, prop cycle normal. EGT operates properly all cylinders. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH

> C.F. Chamberlain III Al2095041 Aerial Artistry 12951 N Tailwind Drive, Tucson, AZ 85737 (520)742-4490

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.)
10-5-01				1066; time 1061.1 Changed oil Drained oil,
				Hobbs time 1061.1 Changed oil: Drained oil, removed and inspected contents of filter. Small amount of Cerban and timy steel parties. Installed new CH48108 oil filter and Equarts allowhell 15/50 oil. Test rangine - no leaks
				oil. Test ranging, no leaks
			8	Edist taymore owner

August 1, 2002. Hobbs Time 1092.1. Time Since Major Overhaul 469.80. Performed differential compression test: #1 - 75/80, #2 - 77/80, #3 - 76/80, #4 - 74/80, #5 - 74/80, #6 - 74/80. Tightened all rocker cover screws. Inspected push rod housings, Scat tubing and engine baffles. All in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found some carbon and some burned rubber fragments. Fragments are from the alternator drive coupling. Installed new CH48108 oil filter and 8 quarts Aeroshell 15/50 oil. Troubleshot engine noise. Found #1 alternator rear bearing and drive coupling failed. Installed rebuilt alternator DOFF10300D, Serial # 6011076 from Arizona Aircraft Accessories, Mesa, AZ. Installed new Continental drive bushing part #635796. Installed alternator with new gasket. Reinstalled cooling shroud and electrical wires. Checked mag timing. Re-set left mag to 20° BTDC, right mag OK at 20° BTDC. Ignition switch "off" position functions properly. External magnetos and ignition harnesses in good condition. Cleaned, inspected and gapped all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Found all in good condition. Inspected intake system and tightened all intake coupling hose clamps. Alternate air system and warning light operational. Electric fuel pump operational. Inspected and cleaned gascolator screen. Air box and paper air filter in good condition. Blew out filter with compressed air.

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	I HAIC HE	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.)
------------	---------------------------	------------------	-----------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Opened both heat muffs and inspected entire exhaust system. Found in good condition. External vacuum pump and associated plumbing in good condition. Installed new inlet vacuum filter Part #1J4-6. Standby vacuum system operational. #2 alternator mounts and leads in good condition. Re-set belt tension, belt in good condition. Starter mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Washed engine and cowl. Test ran engine. Found temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH

C.F. Chamberlain III Al2095041 Aerial Artistry 12951 N Tailwind Drive, Tucson, AZ 85737 (520)742-4490

August 29, 2003. Hobbs Time 1144.9. Time Since Major Overhaul 522.60. Performed differential compression test: #1 - 78/80, #2 - 73/80, #3 - 75/80, #4 - 74/80, #5 - 76/80, #6 - 78/80. Checked all rocker cover screws. Inspected push rod housings, Scat tubing and engine baffles. All in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found some carbon. Installed new CH48108 oil filter and 8 quarts Aeroshell 15/50 oil. Checked mag timing. Re-set left mag to 20° BTDC, right mag OK at 20° BTDC. Removed ignition switch because of intermittent "start" function. Dismantled switch and cleaned contacts and re-formed starter contacts to achieve positive engagement. Lubed switch and reinstalled. Ignition switch "off" position functions properly. (Bendix ignition switch Model 10-357210-1F w/black backplate, 8704). Found right "P" lead nut loose at mag, re-torqued. External magnetos and ignition harnesses in good condition. Cleaned, inspected and gapped all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls

Description of Inspections, Tests, Repairs and Alterations intries must be endorsed with Name, Rating and Certificate Number of echnician or Repair Facility. (See back pages for other specific entries.)
all in good condition. Inspected intake system and checked torque air system and warning light operational. Electric fuel pump of condition. Blew out filter with compressed air. (Filter must be AD 84-26-02.) Removed gascolator and inspected screen. Found reinstalled. Fuel injection system in good condition. Opened both em. Removed multi-segmented "V" clamp on tail pipe-to-turbo Special Airworthiness Information Bulletin CE-03-46. Cleaned clamp antalled clamp and torqued to 15-20 inch pounds. Checked external mounting pad. Re-torqued all mounting studs. Found stud at 4 good condition. Vacuum filters in good condition. Inspected en at Scat tubing connection. Repaired shrouds with epoxy glue of the mounts and leads OK. Electrical wiring in engine compartment washed engine and cowl. Test ran engine. Found temperatures of cycle normal. Both alternators operate properly. No apparent to outstanding against engine or accessories at this time. Complete is been inspected in accordance with an annual inspection, found to for return to service. C.F. Chamberlain III Al2095041 Chamberlain Aviation

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	I IIME IN	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.)

September 3, 2004. Hobbs Time 1177.7. Time Since Major Overhaul 555.40. Performed differential compression test: #1 - 73/80, #2 - 73/80, #3 - 74/80, #4 - 73/80, #5 - 76/80, #6 - 74/80. Tightened all rocker cover screws. Inspected push rod housings, Scat tubing and engine baffles. All in good condition. Metal lines. hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found small amount of carbon. Installed new CH48108 oil filter and 8 quarts Aeroshell 15/50 oil. Checked mag timing. Found both to fire properly at 20° BTDC. Ignition switch "off" position functions properly. Tightened left magneto "P" lead. External magnetos and ignition harnesses in good condition. Inspected and checked gap on all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Found all in good condition. Inspected intake system and checked torque on all intake coupling hose clamps. Alternate air system and warning light operational. Electric fuel pump operational. Checked gascolator, found clean. Air box and paper air filter in good condition. Blew out filter with compressed air. (Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. Checked external vacuum pump. Vacuum plumbing in good condition. Vacuum filters in good condition. Inspected alternators. Found both cooling shrouds broken at Scat tubing connection. Repaired shrouds with epoxy glue and reinstalled. Reinstalled Scat tubing. Starter mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Washed engine and cowl. Test ran engine. Found temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH

C.F. Chamberlain III Al2095041 Chamberlain Aviation Rodeo Airport, Rodeo, NM 88056 (505)557-2343

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.)
9-24-04	HOBBS TIM	NE 118	1.0 REM	OUED LEFT MAGNETO AND INSTALLED NEW
UNISON S	LICK MO	DEL	6324 S	ERIAL 04040278 (WITH IMPULSE COUPLING).
TEST RAI	U OK. Al	PROVE	D FOR R	ETURN TO SERVICE.
	CHAM	BERLA	IN AUIAT	ION Ail 2360555 C4 Chamberlain
5-25-05	Itabhs	time	1209.1	Changed Oil: drained oil removed filter
ins	talled her	J CH	48108	oil filter and 8 quarts, Aeroshell 15/50
oil,	Test	ran	engine	changed 0il: drained oil, removed filter, vil filter and 8 quarts, Aeroshell 15/50; no leaks David tayunger owner
			0	
		,		

	1	1	L	

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.)

September 12, 2005. Hobbs Time 1219.0. Time Since Major Overhaul 596.70. Performed differential compression test: #1 - 74/80, #2 - 78/80, #3 - 72/80, #4 - 74/80, #5 - 73/80, #6 - 78/80. Tightened all rocker cover screws. Inspected push rod housings, Scat tubing and engine baffles. All in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found clean. Installed new CH48108 oil filter and 8 quarts Aeroshell 15/50 oil. Checked mag timing. Found both to fire properly at 20° BTDC. Ignition switch "off" position functions properly. External magnetos and ignition harnesses in good condition. Cleaned, inspected and re-gapped all spark plugs. Oil cooler, oil sump, accessory section, crankcase. front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Found all in good condition. Inspected intake system, found in good condition. Alternate air system and warning light operational. Electric fuel pump operational. Air box and paper air filter in good condition. (Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. Checked external vacuum pump. Vacuum plumbing in good condition. Vacuum filters in good condition. Inspected alternators. Both in good condition. Starter and regulator mounts and leads OK. Electrical wiring in engine compartment in good condition. Cleaned gascolator, found no foreign matter. Firewall in good condition. Test ran engine. Found temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH

C E Chambertain III Al2005041 Chambertain Aviation

C.F. Chamberlain III Al2095041 Chamberlain Aviation Rodeo Airport, Rodeo, NM 88056 (505)557-2343

DATE 23 Dec 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.)
23 Dec 05	Hosbs	12383	w CHY	Changed oil: Drained oil, removed killer 8108 vil filter and 8 quarts Aeroshell
	15/50	vil.	Test	ran engine, no leaks Gurdtkeymore

October 3, 2006. Hobbs Time 1277.3. Time Since Major Overhaul 655.0. Performed differential compression test: #1 - 71/80, #2 - 76/80, #3 - 75/80, #4 - 74/80, #5 - 76/80, #6 - 73/80. Re-torqued all rocker cover screws to eliminate seepage. Scat tubing and engine baffles in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found very small amount of carbon. Installed new CH48108 oil filter and 8 quarts Aeroshell 15/50 oil. Inspected magnetos. Removed right mag because of apparent oil leakage. Determined that oil leak was caused by vacuum pump instead of magneto. Inspected magneto internally and cleaned as necessary. Lubed bearings and inspected points. Reinstalled and set timing to 20° BTDC. Left mag fires properly at 20° BTDC. Ignition switch "off" position functions properly. Ignition hamesses in good condition. Removed vacuum pump to replace gasket to eliminate leak and reinstalled pump. Vacuum plumbing in good condition. Vacuum filters in good condition. Cleaned, inspected and re-gapped all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Found all in good condition. Inspected intake system, found in good condition. Checked torque on all intake coupling clamps. Alternate air system and warning light operational. Electric fuel pump operational. Air box and paper air filter in good condition. Blew out air filter with compressed air. (Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. Inspected alternators. Repaired plastic cooling fitting on right alternator. Both alternators now in good condition. Starter and regulator mounts and leads OK. Electrical wiring in engine compartment in good condition. Cleaned connections at tachometer plug to achieve accurate rpm indications. Troubleshot fuel

19	TACH TIME	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.)			
condition. Both alternagainst endinspected inspected ins	Test ran, tour Test ran, tour ators opera gine or accerdance ervice. TECH CORP. KAS CAGE 59413 -PMA	nd to fungine. For the proper seconds and the proper seconds are the proper seconds and the proper seconds are the proper seconds and the proper seconds are the proper seconds and the proper seconds and the proper seconds are the	iction proper ound temper rly. No appa at this time.	w Instrument Tech Corp. Transducer Part No. 201B(M), Serial No. ly. Cleaned gascolator, found no foreign matter. Firewall in good atures and pressures normal, mag drop normal, prop cycle normal, arent leaks. Researched all AD notes. Found none outstanding Complete lists included with logs. I certify this engine has been spection, found to be in an airworthy condition, and is approved for C.F. Chamberlain III Al2095041 Chamberlain Aviation Rodeo Airport, Rodeo, NM 88056 (505)557-2343			
3 Jul	y 2007 EH481 W 011,	Hobb	s 1303) f filter rom en	Dramed vil, removed filter in stalle sufetied, in stalled 8 quarts aeroshell gire. No leaks Cault Haynose own			

© 1991 ASA

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.)

November 7, 2007. Hobbs Time 1317.8. Time Since Major Overhaul 695.50. Performed differential compression test: #1 - 74/80, #2 - 76/80, #3 - 76/80, #4 - 73/80, #5 - 70/80, #6 - 76/80. Checked torqued on all rocker cover screws. Push rod housings, Scat tubing and engine baffles in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found clean. Installed new CH48108-1 oil filter and 8 quarts Aeroshell 15/50 oil. Checked mag timing and re-timed right to 20° BTDC. Left mag fires properly at 20° BTDC. Ignition switch "off" position functions properly. External mags and ignition harnesses in good condition. Cleaned, inspected and checked gap on all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Found all in good condition. External governor in good condition. Inspected intake system, found in good condition. Tightened all intake coupling clamps. Alternate air system and warning light operational. Electric fuel pump operational. Air box and paper air filter in good condition. Blew out air filter with compressed air. (Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. External vacuum pump in good condition, vacuum relief filter in good condition. Both alternators, mounts and leads in good condition. Starter and regulator mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Cleaned gascolator and installed new bottom O-ring. Test ran engine. Found temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH

C.F. Chamberlain III Al2095041 Chamberlain Aviation Rodeo Airport, Rodeo, NM 88056 (575)557-2343

12 July 2008, Hobbs 1336.8 Drained oil. Replaced 8 gts Aeroshell 15/50 0:1

		NAME OF TAXABLE PARTY.	The second second second second
DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN
19	TIME		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.)

December 13, 2008. Hobbs Time 1363.7. Time Since Major Overhaul 741.4. Performed differential compression test: #1 - 72/80, #2 - 71/80, #3 - 75/80, #4 - 65/80 (rings and slight exhaust valve leakage), #5 -74/80, #6 - 73/80. Re-torqued all rocker cover screws. Push rod housings, Scat tubing and engine baffles in good condition. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found tiny amount of carbon. Installed new CH48108-1 oil filter and 9 quarts Aeroshell 15/50 oil. Removed right magneto for inspection. Internal overall in good condition. Dressed points, re-assembled and reinstalled mag with new gasket. Timed both mags to 20° BTDC. Ignition switch "off" position functions properly. External mags and ignition harnesses in good condition. Cleaned, inspected and re-gapped all spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. Lubed all engine controls with WD40. All in good condition. External governor in good condition. Inspected intake system, found in good condition. Tightened all intake coupling clamps. Alternate air system and warning light operational. Electric fuel pump operational. Air box and paper air filter in good condition. Inspected and blew out air filter with compressed air. (Filter must be replaced at Hobbs 1432.2 in accordance with AD 84-26-02.) Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. External vacuum pump in good condition, vacuum relief filter in good condition. Both alternators, mounts, leads and cooling shrouds in good condition. Starter mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Cleaned gascolator, reinstalled and re-saftied. Washed engine and test ran. Found temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH

> C.F. Chamberlain III Al2095041 Chamberlain Aviation Rodeo Airport, Rodeo, NM 88056 (575)557-2343

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.)
February12, and installed service. N252BH	2009. Hob Sky-Tec F	os Time AA PMA	1366.4. Tim Model C23S	e Since Major Overhaul 744.10. Removed factory installed starter 5T3 starter, serial 4C3-400803. Tested OK. Approved for return to C.F. Chamberlain III Al2095041 Chamberlain Aviation Rodeo Airport, Rodeo, NM 88056 (575)557-2343
9.25-09 CH48 13-50	Hobbos 108-1 in	1411 Folk Tea	5. Siet	tied. installed & yours to constalled raw lind. installed & yours to constalled Ingine No leasts. Landt fayourse

Chamberlain Aviation ~ Rodeo Airport ~ NM70 Mile 10 Hwy 80 ~ Box 27 ~ Rodeo, NM 88056 Phone 575-557-2343 / 877-209-7506

February 1, 2010. Hobbs Time 1435.1. Time Since Major Overhaul 812.8. Performed differential compression test: #1 - 74/80, #2 - 71/80, #3 - 74/80, #4 - 68/80, #5 - 75/80, #6 - 75/80. Checked torque on all rocker cover screws. Push rod housings and Scat tubing in good condition. Inspected engine baffles. Fabricated and installed heat shield on bottom of right forward baffle plate to protect engine driven fuel pump from exhaust system heat. Metal lines, hoses and fittings all OK. Drained oil. Removed and inspected contents of oil filter. Found tiny amount of carbon. Installed new CH48108-1 oil filter and 8 quarts Aeroshell 15/50 oil. Checked mag timing. Re-set right to 20° BTDC, left proper at 20° BTDC. Ignition switch "off" position functions properly. External mags and ignition harnesses in good condition. Cleaned, inspected and re-gapped all spark plugs. Removed starter drive adapter because of frequent drive slippage. Dismantled and inspected starter drive

Part RECOrding TACH FLIGHT TIME IN SERVICE Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) Technician or Repair Facility. (See back pages for other specific entries) Measured at .004 clearance between shaft and clutch spring excessive. Turned down starter drive shaft and clutch spring new starter drive bronze gear. Measured at .004 clearance between shaft and starter clutch. Reassembled adapter, tested and reinstalled on engine. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. All in good condition. External governor in good condition. Inspected intake system, found in good condition. Checked torque on all intake coupling clamps. Alternate air system and warning light operational. Electric fuel pump operational. Air box in good condition. Installed new paper air filter DCI O/N KK3649659 – EDO 4011 in accordance with AD 84-26-02. Air filter must be replaced again in 500 hours at Hobbs 1935.1. Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. External vacuum pump in good condition, vacuum relief filter in good condition. Installed new inline vacuum filter RA1J4-8 in engine compartment. Installed new central vacuum filter element Tempest AAD9-18-1 under instrument panel. Both alternators, mounts, leads and cooling shrouds in good condition. Washed engine, cleaned cowl and test ran. Starter operates properly, temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has b					
shaft to .015 undersize and installed overhauled .015 oversize clutch spring new starter drive bronze gear. Measured at .004 clearance between shaft and starter clutch. Reassembled adapter, tested and reinstalled on engine. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. All in good condition. External governor in good condition. Inspected intake system, found in good condition. Checked torque on all intake coupling clamps. Alternate air system and warning light operational. Electric fuel pump operational. Air box in good condition. Installed new paper air filter DCI O/N KK3649659 – EDO 4011 in accordance with AD 84-26-02. Air filter must be replaced again in 500 hours at Hobbs 1935.1. Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. External vacuum pump in good condition, vacuum relief filter in good condition. Installed new inline vacuum filter RA1J4-6 in engine compartment. Installed new central vacuum filter element Tempest AAD9-18-1 under instrument panel. Both alternators, mounts, leads and cooling shrouds in good condition. Starter mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Washed engine, cleaned cowl and test ran. Starter operates property, temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate property. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service. N252BH		TACH		TIME IN	Entries must be endorsed with Name, Rating and Certificate Number of
-19-10 Hobbs 14721 Drainedoi) removed filter and sectioned it; inspektioned fine bits of carbon, no netal. Installed new CH48108-1 of filter, safetied. Installed & gts. aero shell 15-504-vil. Text ran engine. No baks grantlaging overner	shaft to .0 Measured engine. C ground str condition. torque on operations accordance system in in good co compartment alternators in engine Starter op alternators engine or accordance	15 undersized at .004 clear clear .004 clear color, oil rap in good color, all intake color all intake color all intake color condition, vacual condition, vacual ent. Installers, mounts, le compartment erates propers operate propers operate propers operate propers accessories	e and instrance be sump, a condition vernor in upling classification good co 4-26-02. on. Open uum relied d new co ads and t in good erly, temporerly. No at this ti	stalled overhetween shaft ccessory se . Checked a good cond amps. Alter ondition. Instant filter much filter in good condition cooling shred condition. peratures and lo apparent me. Comple	trand starter clutch. Reassembled adapter, tested and reinstalled on action, crankcase, front seal and breather all OK. Engine mounts and all engine controls for routing, freedom, travel and wear. All in good all in line controls for routing, freedom, travel and wear. All in good all in line controls for routing, freedom, travel and wear. All in good all in line controls for routing, freedom, travel and wear. All in good all in line controls for routing, freedom, travel and wear. All in good all in good condition. Checked mate air system and warning light operational. Electric fuel pump stalled new paper air filter DCI O/N KK3649659 – EDO 4011 in line ust be replaced again in 500 hours at Hobbs 1935.1. Fuel injection eat muffs and inspected entire exhaust system. External vacuum pump and condition. Installed new inline vacuum filter RA1J4-6 in engine arm filter element Tempest AAD9-18-1 under instrument panel. Both ouds in good condition. Starter mounts and leads OK. Electrical wiring Firewall in good condition. Washed engine, cleaned cowl and test ran. In the description of the property of the proper
Tristalled 3 gts. dero shall 15-504-vil. Text ran engine. No bake Guritaying	-19-10	Hobbs	14721	Draine	Soil removed filter and sectioned it; inspection
1991 ASA	Found for Installed	s ats a	carb	on, nor	Told-vil. Text ran enquie No baks gariffagin
	1991 ASA	U			owner

Chamberlain Aviation ~ Rodeo Airport ~ NM70 Mile 10 Hwy 80 ~ Box 27 ~ Rodeo, NM 88056 Phone 575-557-2343 / 877-209-7506

February 24, 2011. Hobbs Time 1480.1. Time Since Major Overhaul 857.8. Performed differential compression. test: #1 - 74/80, #2 - 76/80, #3 - 74/80, #4 - 70/80, #5 - 75/80, #6 - 73/80. Replaced 4 rocker cover gaskets with fabricated red silicon gaskets to eliminate seepage and checked torque on remaining rocker cover screws. Push rod housings and Scat tubing in good condition. Inspected engine baffles. Installed blue RTV at outboard end of oil cooler-to-baffle junction to seal gap. Installed split hose anti-chafe around engine mount to protect from abrasion from adjacent Scat tubing. Checked metal lines, hoses and fittings. Replaced waste gate actuator drain hose and re-routed hose to allow more distance from hot side of turbo. Metal lines, hoses and fittings now in good condition. Did not change oil due to recent oil change by owner. Checked mag timing. Found both to fire properly at 20° BTDC. Ignition switch "off" position functions properly. External mags and ignition harnesses in good condition. Installed 12 new Champion RHM38E spark plugs. Oil cooler, oil sump, accessory section, crankcase, front seal and breather all OK. Engine mounts and ground strap in good condition. Checked all engine controls for routing, freedom, travel and wear. All in good condition. External governor in good condition. Inspected intake system, found in good condition. Checked torque on all intake coupling clamps. Alternate air system and warning light operational. Electric fuel pump operational. Removed, inspected, cleaned and reinstalled gascolator screen. Found small amount of foreign matter. Air box in good condition. Blew out air filter with compressed air. This paper air filter DCI O/N KK3649659 - EDO 4011 must be replaced at Hobbs 1935.1 in accordance with AD 84-26-02. Fuel injection system in good condition. Opened both heat muffs and inspected entire exhaust system. External vacuum pump in good condition, vacuum relief filter in good condition. Cabin heat system in good condition. Both alternators, mounts, leads and cooling shrouds in good condition. Starter mounts and leads OK. Electrical wiring in engine compartment in good condition. Firewall in good condition. Washed engine, cleaned cowl and test ran. Temperatures and pressures normal, mag drop normal, prop cycle normal. Both alternators operate properly. No apparent leaks. Researched all AD notes. Found none outstanding against engine or accessories at this time. Complete lists included with logs. I certify this engine has been inspected in accordance with an annual inspection, found to be in an airworthy condition, and is approved for return to service.

N252BH

C.F. Chamberlain III Al2095041

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed w	tions, Tests, Repairs and Alterati ith Name, Rating and Certificate Number y. (See back pages for other specific entri
TSIO- ENGIN REG. WOR	NE MODEL: 360-MB1 NE S/N: 317141 NO: N252BH C ORDER: 05-2011	390 Centra Longview,	al Road	on Services, Inc.	DATE: 6/15/2011 A/C TSN: 1490.4 ENG TT: 1490.4 TSMOH: 868.1 HOBBS: 1490.4
Engi	ne Entries				
(6) Co	ompression #1-70), #2-75, #3-7	8, #4-74, #5-76	5, #6-71 (17) Installed new yellow adel of	clamp MS21919WDF11 turbo pressure
	(==) ((==)	iored both m	ags, installed n	new mag. gaskets 649954 both mags. Re	installed and timed to engine.
Don Ma	axwell A&P 1784050	0	1	Oh as	
DATE	6/15/2011	SIC	INED.	a Playwell	West Oak areas as asset
				1.	Work Order: 1599-05-2011 Printed by EBis 3 (datcomedia.com)
					, and a (automodia.com)
	E MODEL BO-MB1	Don Max	well Aviation	n Services, Inc.	D-7E 60012 50 1515 2
ENGINE	E S/N 317141	190 Central			ÊNG ₹ 1515 2 15MCH 392 9
	ID 112525H ORDER 12011	_angview Ti Phone 903-			+0889 +515 2
Engin	e Entries				
Encore	designation IAV t Carb & Inj for O	Mooney Re H for Encore	tro drawing 940 conversion (9	nder flange with 655224-1 & -2 and 6552 141 titled Retrofit TSIO-360-SB. (8) R&I 9) R&R wastegate controller and sent to Ne conversion to a C290D3/T46, Reinstalle	R engine fuel pump and sent to Main Turbo for O/H. (10) Removed
Don Ma	xwell A&P 1784050				
	1/6/2012	SIGN	LED:	Pharae OD	Work Order: 1620-07-2011

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
FSIC-31 ENGINI — REG IN IVORK 1713-00	E MODEL 60-MB1 E S/N 317141 10 N252BH ORDER 2-2012 ne Entries	Don Ma 390 Centra Longview Phone 903	Road Tx 75603	n Services, Inc. DATE 3/10/2012 A/C TSN 1542 3 ENG TT 1515 2 TSMCH 392 9 HOBBS 1542 3
Sn.991	110001 Thru 9912	29999. Not A	v50 & Champion applicable.	1, #5-74, #6-72. Cleaned & gapped plugs. Serviced injectors. Check mag timing CH48108-1 filter (8) Checked for Slick Mag Pn. 6314, 6324, 6364 with
	3/10/2012		NED A	Work Order: 1713-02-2012 Printed by EBis 3 (datcomedia.com)
		Com	ney N252BH 4	P J AIRCRAFT SVC 702 CR 17A SOUTH AVON PARK, FL 33825 W/6/12 Hobbs 1552.9 Engine Intinental SI 97-3 set fuel system to TSIO 360 SB

	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Entries must be endor	orsed with Name, Rating and Certificate Number of y. (See back pages for other specific entries
		PJA	IRCRAFT	SVC	, and a second s
		15	45 SR 64	W	
		AVON	PARK, FL	. 33825	
Ch	252BH Hob langed oil 23472007I/	Phillips	0.3 7/27/20 Xe20w50 8	12 Engine Bats	
*			1000.5		
			AIRCRAFT		
			CR 17A S		
		AVON	PARK, FI	L 33825	
Rei	52BH 7/25/12 moved #1 alto amp 24V, test	ernator an	d replaced wit	th pn ES 4008 sn 30585	

@ 1991 ASA

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endors	pections, Tests, Repairs and Alteration sed with Name, Rating and Certificate Number of acility. (See back pages for other specific entries.)
ENGINE N TSIO-360- ENGINE S REG NO WORK OF 1681-02-2	ME1 S/N 317141 N252BH RDER	Don Maxi 390 Central R Longview Tx Phone 903 8	₹cad ~5603	Services, Inc.	DATE 3/1/2013 A/C TSN 1642 ENG TT 1614 4 TSMCH 992 1 HC88S 1641
(1) Chan Gami-fue	rell 1784050 A&P	s Phillips 20/ nstalled new SIGN	50 Changed filt Gami-fuel inject	ter with Champion 48108 Oil Filter lors #2 [D], #4[G].	No cuttings found (3) Removed #28#4 Work Order: 1881-02-2013
					Printed by EBis 3 (datcomedia.com)
TSIC-36 ENGINE REG M	E S/N. 317141 O N252BH ORDER	390 Centra Longview	ii Road	on Services, Inc.	DATE 6/1/2013 A/CITSN 1663.5 ENG FT 1636.9 TSM 2H 1310.6 HOBBS 663.5
	e Entries				
a secu	k Mag Pn. 6314.	I with a dis P	hillips 20/50. Cl	hanged filter with Champion 48108	ed plugs. Serviced injectors. Check mag timing 3 Oil Filter. No cuttings found (9) Checked (11) AD2012-24-09 Turbo Charger not
	this engine has bee		1	a 100 hr inspection and found in an art	vorthy condition. Don Maxwell A&P 1784050
DATE	0/1/2013	510	SNED:	al II well	Work Order: 1897-03-2013

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.)
AUG /5 2N3	1719.5			OIL CHANGE, 7 QTS PHILXC 20/50, CH481081 FILTER, LEAK CHECK
			1	

Engine Land right mag	ogbook w slick magneto neto S/N: 1310 d and reinstalled	N252BH S/N: 317141 os, P/N: 6324. Lo 1794. Transferred d spark plugs. En	d Tach sen	com to los
Installed 2 new and right magneto. Services	w slick magneto neto S/N: 1310 d and reinstalle	S/N: 317141 os, P/N: 6324. Lo	d Tach sen	S/N: 13101795
neto. Service	d and reinstalled	1/94. Transferre	d Tach sen	S/N: 13101795
		nired and inspected in acoproved for return to ser	ecordance with c vice. Pertinent d	current regulations of the letails of the repair are on
Order No: 158	302	Certified Repair	r Station No:	DY1R103K
Inspector: 500	Lany J. Su O-B Airport Road	Larry J. Sny	yder Date:	December 13, 2013
1	Order No: 158 Inspector:	file at this repair station under Order No: 15802 Inspector: Lawy Su	Order No: 15802 Certified Repair Inspector: Larry J. Sny	Order No: 15802 Certified Repair Station No:

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.)
417/14	1817.7	·		Remare this engine from N252 BH 5/N25-1137 AIP4876836
11 April	2014		1817.7	New book started following a marjon overhand a
				Custom Airmotive, Inc. FAA REPAIR STATION #DC2R763K AIRCRAFT ENGINE SERVICE 2702 N. SHERIDAN, BLDG. B TULSA, OK 74115 (918) 836-6836 FAY (919) 836-6836
				AirCRAFT ENGINE SEPVICE 2702 N. SHERIDAN, BLDG. B TULSA, OK 74115 (918) 836-6836 FAX (918) 836-9431 Mark D. Lukting for DC 2P 76 3K Lukting for DC 2P 76 3K