

ANOTHER QUALITY OVERHAUL

BY



CERTIFIED  
ENGINES  
UNLIMITED, INC.

OF

MIAMI, FLORIDA



*The Standard*

**ENGINE LOG**

ASA-SE-2

The Standard Engine Log  
SE-2

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P N R A S A - S E - 2



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### Engine Record General Information

INV/NO# 35620/12267

Manufacturer Lycoming

Model O-540 J3ASD

Serial L-22757-40A

Type Certificate E-295

This engine is currently installed in aircraft: PA28-236 N2157F

Minimum Octane Fuel 100/100 LL

Oil Grade Summer 50 WT

Winter 40 WT

Magneto Time 23° BTC

Point Setting

Firing Order 1-4-5-2-3-6

Spark Plug Gap .016 - .021

Manufacturer's Recommended Overhaul at 2000 hours

DATE  
19 \_\_\_\_\_

RECORDED  
TACH  
TIME

This Document Is To Serve As  
**Certification**  
of  
Major Overhaul and Block Test Run  
by  
**Certified Engines Unlimited, Inc.**

MFG. Lycoming MODEL 0540J3ASD SERIAL NO. L-22757-40A  
TOTAL TIME 2000.0 hrs A.D. NOTES C/W - Rear logbook

PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER  
WORK ORDER NO. 35620/12267 DATE 9/14/00

*[Signature]* FOR CERTIFIED ENGINES UNLIMITED, INC.  
SIGNATURE OF AUTHORIZED INDIVIDUAL

4000 N.W. 145th ST., OPA-LOCKA AIRPORT, OPA-LOCKA, FLORIDA 33054  
PHONE: (305) 685-8331

JAR 145 Approved FAA APPROVED REPAIR STATION KG4R309M

ations  
number of  
entries.)

**SERVICEABLE**

**CERTIFIED ENGINES UNLIMITED, INC.**  
4000 N.W. 145 St. - Airport  
Opa-Locka, Fla. 33054  
Phone: (305) 685-8331  
Fax (305) 681-8027  
FAA Approved Repair Station No. KG4R309M

Part Name Engine Lycoming  
Part No. 0540J3ASD S/N: L-22757-40A  
Invoice/Work Order# 35620/12267  
Remarks 'D' since major overhaul & test run  
Date 9/14/00 Inspector [Signature]

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

**Certified Engines Unlimited, Inc.**  
FAA Approved Repair Station No. KG4R309M  
4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054  
Phone: (305) 685-8331

**LIMITED OVERHAUL WARRANTY**

- Subject Matter and Scope of Warranty.** Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational periods listed or to any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part.
- Time Limits.** This Warranty for parts and labor, extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. Certified Engines Unlimited considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours per month, regardless of actual engine operation hours.
- Express Conditions.** As a time and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines.
- Proper maintenance logbooks are to be kept by and maintained by the customer and shall be furnished to CEU on demand as a condition to the Warranty.
- Limitations and Exclusions.** All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges incurred in the removal and reinstallation of defective parts or engines.
- THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.**
- LIMITATION ON LIABILITY.** IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF A REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.
- CRACKED CYLINDERS AND CRANK CASES ARE EXCLUDED FROM ALL WARRANTIES, UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.**

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.)
				<p><b>CAUTION</b></p> <p>This engine has been test run according to factory recommend- ed procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.</p> <p><b>CAUTION</b></p> <p>For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.</p> <p><b>CAUTION</b></p> <p>Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul. eg. prop, prop governor, oil cooler, oil tank, &amp; all fuel &amp; oil lines.</p>
				<p><b>CERTIFIED ENGINES UNLIMITED, INC.</b></p> <p><b>FAA APPROVED CRS # KG4R309M</b></p> <p><b>MAINTENANCE RELEASE</b></p> <p>The aircraft engine and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.</p> <p>Pertinent details of the repair are on file at this agency under INV/WO # <u>35620/12267</u></p> <p>Date <u>9/14/00</u></p> <p>Signed <u>[Signature]</u> for (Signature of authorized individual)</p> <p><b>CERTIFIED ENGINES UNLIMITED, INC.</b> 4000 N.W. 145 ST.; OPA-LOCKA AIRPORT, FLA. 33054 PHONE (305) 685-8331</p>

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.)
				<p>14 September 2000 This engine model Lycoming O-540 J3A5D, serial #L-22757-40A was overhauled by Certified Engines Unlimited, Inc. of Opa Locka, Florida according to factory recommended procedures, specifications, limits &amp; pertinent Federal Aviation Regulations.</p> <p>All internal steel parts were magnafluxed &amp; all non-ferrous materials were checked for cracks. All the guidelines from the Lycoming Table of Limits SSP#1776 &amp; Overhaul Manual #60294-7 were followed at time of overhaul.</p> <p>The magneto rebuilt by the TCM factory. The alternator OHC by Aerotech of Louisville Inc, CRS#PV4R453M. The carburetor OHC by Precision Air, CRS#VH1R558K. The fuel pump OHC by Aero Accessories, CRS#YV4R688M. All tags received from the accessory suppliers are located at the rear of this logbook.</p> <p>A new camshaft, six new 'Classic Cast' cylinder assemblies, a new dual harness &amp; a new set of spark plugs were installed.</p> <p>Certified Engines Unlimited Inc ** Opa Locka Airport, Florida USA FAA CRS#KG4R309M Inv/wo# 35620/12267 ** Date: 14 September 2000</p> <p>Authorized Signature: <u>[Signature]</u></p>

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

14 September 2000 All recommended parts listed in the Lycoming Overhaul Manual & Service Bulletin SB#2400 were installed at time of this overhaul... (see list below):

\*FAA PMA Parts are frequently substituted for Teledyne Continental Motors & Avco Lycoming factory parts.

12	SL72877	LIFTER BODIES	1	SL13377	GASKET SET
1	LW-10344	OIL PUMP BODY	6	LW-13923	CONN ROD BUSHING
1	61297	IMPELLER	1	SL-STD-1211	PLUG
1	61298	IMPELLER	1	ANB-14A	CRANKSHAFT BOLT
2	SL76788	C/W ROLLER	4	SL73810	C/S BSNG
2	LW-15558	C/W ROLLER	8	SL14020	RET RING
2	LW-13884	FRT C/S BEARING	6	SL13445	PISTON PIN
6	LW-15278	BEARING	12	72198	PISTON PIN PLUG
6	SL-STD-1821	HOSE	1	SL76155	TACH DR SHAFT
6	SL69603	INT HOSE	1	LW-13388	GASKET
1	MS16625-1081	CLIP	1	MS16625-1100	RING-INT RET
1	CH48103	OIL FILTER	6	SL60398	ROCK ARM BSNG
12	SL13521	ROD BEARING	6	SL74637	EXH ROCK ARM BSNG
12	SL75061	CONN ROD BOLT	1	AS19340	CAMSHAFT ASSY
12	SL12186	ROD NUT	6	ECI	NEW 'CLASSIC CAST' CYL ASSYS
2	SL13841	MAG DRIVE CUSHION			
1	STD-737	KEY			
12	RHM38E	SPARK PLUG			
1	LW-15472R	FUEL PUMP, OHC			
6	SL13790A	SHAFT, ROCKER			
12	SL12892	THRUST BUTTON			
1	AN565B1032H5	SCREW			
1	SL1028-B	BALL			
1	SL68668	OIL PR REL SPRNG			
1	M2919	DOAL HARNESS			
1	LW-10284M	C/S GEAR, MODIF.			
1	SL53E19600	VERNATHERM VALVE			
1	MS9144-01	PROP GOV GASKET			
1	LW-10320	SLEEVE			
1	55K21022	SPACER			
1	05521021	SPRING			
1	76539	OIL VALVE SEAT			

Certified Engines Unlimited Inc \*\* Opa Locka Airport, Florida USA

FAA CRS#KG4R309M

Inv/Wo# 35620/12267 \*\* Date: 14 September 2000

Authorized Signature: 

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

14 September 2000

After final assembly, this engine was run-in for a period of three hours with all temperatures, pressures, & performances within those limits as prescribed by the factory.

All airworthiness directives complied with at major overhaul are listed at the rear of this logbook. This engine is airworthy & acceptable for return to normal service.

Certified Engines Unlimited Inc \*\* Opa Locka Airport, Florida USA

FAA CRS#KG4R309M

Inv/Wo# 35620/12267 \*\* Date: 14 September 2000

Authorized Signature: 

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
10-6 19 700	AIRCRAFT			
	2136.4		2003.1	3.0, 5. m.o.h. This engine installed in Pipes PA 28-236 N2157K this date. all mounts & bolts replaced. Prop overhauled, alternator & carb & oil cooler. New vacuum pump & starter & all fuel & oil hoses. See tags with logs. aircraft test flown & returned to service. V. J. Kopezynski FA 1600896
10-17-00	2150.4			Oil & filter changed added 12 qts Aeroshell 80 mineral oil, adjusted oil pressure relief valve. Dana K Heald ATP 5428411

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
2000				
11-17-00	2150.4			Carburetor removed and repaired by Precision Air, Inc. Miami FL. See FAA Form 8130-3 at rear of this log. Carb installed and test ran. Dana K Heald ATP 5428411
12/2/00	2157.0		2023.6	Airframe Service Letter Number 26 not applicable. Air filter is a <del>type</del> reusable Brackett filter. <i>[Signature]</i> owner
2/8/01	2171.25		2037.85	Changed oil (Chevron Aero 20/50). Changed & inspected filter. Complied with AD 2000-18-53 & LysSB 543A by installing gasket OGB23072 no further action required. R. Hill PA 254050084 IA



DATE 2002 <del>18</del>	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.)
8-10-2002	2358.6 22512 smph		2224.4	Change Oil + Filter. Chevron 20w-50, 12qts. Chevron CH 48103 Filter. <i>J. J. Omer</i> 540-12-3028 Obtained oil sample
11-27-02	2377.9			INSTALLED NEW ELECTROSYSTEMS MZ-6222 STARTER MOTOR ASSY, S/N CD91340.  <i>William Krauer</i> AAP 550515916
12-20-02	2380.9			CAPPED INTAKE FLANGES ON FLAT PLATE, REINSTALLED WITH NEW GASKETS. REMOVED CARBURETOR AND AIRBOX, DISASSEMBLED CARBURETOR (PARTIAL), INSTALLED NEW (173-160) (49-267) ECONOMIZER AIR METERING NEEDLE AND JET, ADJUSTED TO PRECISION ARMATURE OVERHAUL MANUAL SPECIFICATIONS USING DEPTH MICROMETER METHOD, REPLACED BENT (155-367) MIXTURE CONTROL ARM WITH NEW PART, RESET FLOAT HEIGHT, (16-A31) INSTALLED NEW BODY-TO-BOWL GASKET, AND REASSEMBLED (15-B98) (78-A97) WITH PROPER SCREWS AND LOCK TAB WASHERS. REASSEMBLED CARBURETOR TO ENGINE AND AIRBOX TO CARB. WITH NEW GASKETS. RE-RIGGED MIXTURE CONTROL CABLE TO OBTAIN

DATE 2002 <del>19</del>	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.)
12-20-02 CONT'D	2380.9			FULL STOP-TO-STOP TRAVEL, PERFORMED LOW POWER GROUND RUN, ADJUSTED IDLE SPEED AND MIXTURE, COOLED ENGINE AND PERFORMED POWER RUN.  <i>William Krauer</i> AAP 550515916
3-20-03	2388.0			REMOVED CARBURETOR, P/N 10-5054, S/N B3162102, FROM SERVICE. REPLACED WITH NEWLY OVERHAULED PRECISION ARMATURE OF SAME P/N, S/N PAC390103, SEE WORK ORDER #DS650930 DATED 2-26-03. RIGGED AND SAFETTED, PERFORMED GROUND RUN AND LEAK CHECK, ADJUSTED IDLE SPEED AND MIXTURE.  <i>William Krauer</i> AAP 550515916
7-16-03	2421.3 237.9 smph			Change Oil + Filter. Chevron 20-50w. 12qts CH 48103 Filter. Replace spark plugs & reconditioned. <i>J. J. Omer</i> Obtained oil sample

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 Technician or Repair Facility. (See back pages for other specific entries.)
<u>2003</u>				
9-5	2421.3		2287.9	CHECKED CYLINDER COMPRESSIONS AND MAGNETO-TO-ENGINE TIMING. REMOVED CYLINDERS #2 & 5 DUE TO LOW COMPRESSION TEST AND OIL ANALYSIS RESULTS. INSTALLED NEW INTAKE AND EXHAUST VALVE GUIDES, BOTH CYLINDERS. REAMED INTAKE GUIDES, GROUND INTAKE VALVES. REAMED EXHAUST GUIDES 0.004" UNDERSIZE AND HONED TO FINISH SIZE AS SET FORTH IN LYCOMING SERVICE INSTRUCTION NO. 1200A. INSTALLED NEW SUPERIOR EXHAUST VALVES, PIN SL19001A. (LOT#579809, 5-2-03, BOTH) GROUND INTAKE AND EXHAUST VALVE SEATS, LAPPED VALVES TO SEATS. EXHAUST VALVES INSTALLED WITH NEW RETAINING ICEYS AND ROTATOR CAPS. BLEED HYDRAULIC LIFTER ASSYS, REINSTALLED CYLINDERS, CHECKED DRY TAPPET CLEARANCES. REASSEMBLY CYLINDERS WITH NEW GASKETS AND PRE-LUBRICATED COMPONENTS AS PER LYCOMING SERVICE INSTRUCTION NO. 1059C. CHECKED CYLS #2 & 5 COMPRESSION. RESEALED SEEPING CARBURETOR BOWL DRAIN PLUG. PERFORMED BRIEF GROUND RUN - LEAK CHECK, COOLED
	287.9 S.M.O.H.			

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<u>2003</u>				
				ENGINE AND PERFORMED BRIEF POWER RUN.
DATE: <u>9-5-2003</u>				DATE: <u>9-5-07</u>
I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
APPLICABLE A.D. NOTES THROUGH <u>2003-18F</u>				APPLICABLE A.D. NOTES THROUGH <u>2003-18</u>
COMPLIED WITH METER / TACH TIME <u>2421.3 TACH</u>				COMPLIED WITH METER / TACH TIME <u>2421.3</u>
BY: <u>William Knauer</u> A&P # <u>550515916</u>				BY: <u>R. Hill</u> A&P # <u>54080084TW</u>
8-1-04	2456.7			Change Oil & Filter. Chevron 20w-50, 12qt Champion 48103 filter. Obtained oil sample. <i>Jef</i> done SK82308
11-1-04	2475.1		2341.7 T.T.	PERFORMED PRE-INSPECTION RUNUP, CHECKED CYLINDER COMPRESSIONS AND MAG-TO-ENGINE TIMING. OBTAINED OIL SAMPLE FOR ANALYSIS, CHANGED OIL FILTER. INSPECTED PRIOR FILTER FOR CONTAMINANTS. ADDED 2 QTS CHEVRON 20W-50 MAKEUP OIL. CLEANED, TESTED, LAPPED, AND ROTATED SPARK PLUGS. PERFORMED POST INSPECTION ENGINE RUNUP →
	341.7 S.M.O.H.			

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 Technician or Repair Facility. (See back pages for other specific entries.)
19-2004				
11-1	2475.1		2341.7 T.T.	AND LEAK CHECK.
CONT.	341.7 SMOH			
DATE: 11-1-04				DATE: 11-1-04
I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				I CERTIFY THAT THIS AIRCRAFT / ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
APPLICABLE A.D. NOTES THROUGH 2004-22F				APPLICABLE A.D. NOTES THROUGH 2004-22
COMPLIED WITH METER / TACH TIME 2475.1				COMPLIED WITH METER / TACH TIME 2475.1
BY: William Knauer A&P # 550515916				BY: [Signature] A&P # 54050084 FR

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 Technician or Repair Facility. (See back pages for other specific entries.)
3-6-0006	2503			370 SMOH Compression tested: 1-71, 3-70, 5-74, 2-70, 4-74, 6-74, 80 PSI. Inspected plugs, (Cleaned, gapped, Tach 2475) R#A mag. Adjusted both breakers and installed new impulse coupling Teledyne P/N 10-H00325, inspected fuel screens and fuel at setpoint bowl, electric pump, and carburetor, R#A exhaust shrouds, inspected mufflers & manifolds, checked attach bolts on exhaust & intake systems, and bolts attaching engine, prop & accessories. Checked clamps & flare nuts and inspected hoses, lines, & wiring. Inspected controls. Inspected alternator brushes. Drained oil. Inspected suction screen, old filter & oil. Installed new filter Champion CH48103 and refilled with AeroShell 100W. Test run and in

DATE 48	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.)
3-6-2006				<p>inspected for leaks, tested operation of mag switch, IAW AD 76-07-12, test flow AC, &amp; certify that this engine has been inspected in accordance with an annual inspection and determined to be airworthy this date.</p> <p>Jerry Rouse A#P1988916 IA</p>

DATE 49	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.)
4-28-2006	2504.6			<p>Complied with AD note 2005-26-10 by replacing cylinders. Removed Classic Cast cylinders assemblies with 371.2 hours since new, installed 6 each new ECI cylinder assemblies, class 43.0, incorporating TITAN heads &amp; nickel process bores and new Tyroming/PN LW-13396 pistons. Piston pins &amp; plugs with 371.3 hrs since new installed IAW ECI instructions. Pins PN 5L13445 &amp; plugs P/N 172198 IAW engine OH parts list dated 14 September 2000. In this log, New cylinders S/N's: 36227-04, 36227-21, 36841-02, 37536-17, 37612-30, and 37672-02. Engine test run and checked for leaks twice on ground. Operation normal. No discrepancies noted.</p> <p>Jerry Rouse A#P1988916</p>





DATE	A.D. NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing of Compliance and Method of Compliance
19			

(Cont - 14 September 2000: Lycoming O-540 J5A5D, serial #L-22757-40A

- 871006 R-1 Rocker Arm Inspection. SB#477A suppl 1.
- 890402 Carburetor Throttle. SB#A1-88.
- 910807C Engine power loss/loss of aircraft. SB497.
- 911422 Crankshaft Gear/Dowel Inspection. SB#475A. ~~SUPERCEDED BY A.D. 2004-10-14C \*LYC. S.B.#475C.~~
- 921516L Superseded by 93-19-04.
- 922007L OHC Fuel Pumps. Superseded by 93-05-21.
- 930521L Fuel Pumps OHC by Aero Accessories. MSB#002. Superseded by 93-11-11.
- 941415L superseded by 95-26-02.
- 950701 Connecting Rod Bolt. SAP SB#95-002.
- 952602 Unspecified Fuel/Contamination. SB#398.

(continued next page)

Certified Engines Unlimited Inc \*\* Opa Locka Airport, Florida USA  
 FAA CRS#KG4R309M  
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(Cont - 14 September 2000: Lycoming O-540 J5A5D, serial #L-22757-40A

- 960910C Oil Pump Impellers. SB#456F.
- 962505 AC Fuel Pump. SB#525A. p/n s/n not installed.
- 971511 Piston Pin. SB#527C. p/n not install
- 2000-18-53 Oil filter gasket. MSB#543A. new gasket installed. 50/hr c/with.

\*All AD's & SB's listed were checked or complied with at overhaul. end.

A.D. LISTING CONTINUED NEXT PAGE →

Certified Engines Unlimited Inc \*\* Opa Locka Airport, Florida USA  
 FAA CRS#KG4R309M  
 Inv/wo# 35620/12267 \*\* Date: 14 September 2000

Authorized Signature: 

