

NS90TG Engine logs

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310





**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



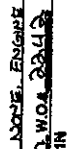
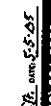
This engine model TS500R2, Serial Number 686215 was manufactured on 12-23-01 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

Chris T. Elliott

TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
2/20/02	0	0	0	0	This engine installed in LC 40-55DF7 NHDURK SIN 4004H
					<i>Monty Sheppard</i>
					Shadin Fuel Flow Transducer installed and instructions 4110 REVH and STA. SE 1686GL LOGS CHECK OPS CHECK GOOD
3/11/02	0	0	0	0	<i>Monty Sheppard</i>
2/27/02	0	0	0	0	RE-MIXED & RE-VALVED OIL SWAP PART # 6052423 ALL WORK DONE I/M/L TEAM MAINT. MEMPHIS <i>Sheppard</i> NAME 322-10
3/14/02	3.1		3.1		REMOVED AND REPLACED INNER CYLINDER RAKEFLING NSA # 6433526 PER SSI 2007-2. <i>Sheppard</i> 910101877 AP
5/31/02	4.9				OIL CHANGE APPROX 20-ND 6010692 <i>Sheppard</i> AP 2657027
8/6/02	34.0				OIL CHANGE APPROX 20-ND 6010662 <i>Sheppard</i> AP 2657027
11/16/02	76				OIL CHANGE Phillips 20-50 manufactured <i>Sheppard</i> AP 2657027

Date	Total Time	Time Since Last Overhaul		Brought Forward	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
		Hrs.	Min.		
4/13/03	94				Hobbs service & oil changed. Hobbs 100 psi. Log 74 75 77 78 79 76 & 80 psi. W.S. Log # 2501027 W.O. 10764
4/19/03	155.8				Changed oil filter. W.O. 10830
 Aimed Inc. 37552 Winchester Rd Murrieta, CA 92562 909-696-0160 TT 185 SMOH 185 W/O 10979					
100 hr service. Comp #1-72 #2-75 #3-76 #4-76 #5-76 #6-72. Changed oil and filter serviced with AS 100w. Cleaned all injector nozzles and replaced all seals. Brian Gallagher A&P 2651027					
ENGINE MODEL: HIGH PERFORMANCE AIRCRAFT, INC. ENGINE S/N: 205.1 REG. NO.: 4N4RK WORK ORDER: 284-04-2004 DATE: 4/20/04 DATE: 4/20/04 ACT RN: 185.9 ENG TT: 185.9 HOBBS: 185.9					
ENGINE MAINT: PERFORMED DIFFERENTIAL COMPRESSION CHECK USING 100 OILCHECK TESTER PER AC 43.13-18, PARA 4-1403. 1) 70%, 2) 70%, 3) 70%, 4) 77%, 5) 77%, 6) 77%. 100% USED OIL. CUT OPEN AND INSPECTED OIL FILTER AND METAL PADDING. REPLACED OIL AND FILTER. SERVICED ENGINE WITH 8 QUARTS AEROSHELL W100 OIL. GROUND RUN PERFORMED OPERATIONAL AND LEAK CHECK OK AT THIS TIME.					
DATE: 4/20/04 SIGNED:  One Station Control Tower Station No. 1471/1800 Work Order: 284-04-2004 Printed by EB3 (detcommeds.com)					
 THE LANCAIR COMPANY Certified Aircraft 22550 Neilson Road Bend, Oregon 97701 Drained oil and removed oil filter for inspection, no defects noted. Serviced with 8qts Aeroshell W100 oil and new CH48109 oil filter. Performed engine set up per TCM SID 97-3B. Operational and leak checked, no defects noted.					
 Steven R. Hansen A&P 542944943					

Date	Total Time	Time Since Last Overhaul		Brought Forward	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
		Hrs.	Min.		
					 THE LANCAIR COMPANY Certified Aircraft 22550 Neilson Road Bend, Oregon 97701 Changed oil with 8 quarts Exxon Elite 20w50 and oil filter with Champion filter P/N CH48109-1  Richard Ingram A&P 542083175
					318105 HOBBS TIME 251.0 HRS CHANGED OIL AND FILTER WITH 8 QTS EXXON ELITE AND CHANGED CH48109-1 FILTER. SUBMITTED OIL SAMPLE TO "LAB" OF PHOENIX, AZ. CUT OIL FILTER AND INSPECTED FOR CONTAMINATION. FOUND NONE. ENGINE RUN UP AND LEAK CHECK GOOD. SIGNED:  DON NORDEN W.O. 28412 FAA REPAIR STATION LORRITIN LAQUINTE, ARIZ. THERMAL, CA 92274
100 HOUR INSPECTION - ENGINE CHECKED AND/OR SERVICED THE FOLLOWING ITEMS IF APPLICABLE: INDUCTION AIR FILTER, HEAT EXCHANGER / COOLING FAN, CARBURETOR/FUEL INJECTORS, PRIMER LEETS, SPARK PLUGS, PROPELLERS AND BLADES: <i>REPLACED OIL FILTER - 100 GAU THRU FILTER</i> REPLACED OIL AND FILTER SERVICED WITH _____ QTS OF _____ OIL CHECKED COMPRESSION AT: 70 73 77 75 75 75 A/P CHECKED THROUGH: <i>20.2005-08</i> SEE MASTER AD LIST FOR COMPLIANCE. COMPLIED WITH THE FOLLOWING RECURRING A/Ps: <i>121A</i> ADDITIONAL MAINTENANCE: _____ I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. TACT TIME: <i>285.8</i> ENGINE TIME: <i>285.8</i> <i>285.8</i> BY:  <i>285.8</i> <i>285.8</i> <i>285.8</i> SOUTHWEST FLIGHT CENTER - SCOTTSDALE, ARIZONA (480) 991-2880					

Date	Total Time	Time Since Last Overhaul		Engine Service and Maintenance Record
		Hrs.	Min.	
REDMOND AIR LLC 706 SE Salmon Ave. Redmond, OR 97756 541-504-9806 ***** Brought F.				
Date: 7/19/05 NS90JG TCM IO550N2 SN: 686215 Hobbs: 268.3 Replaced alternator with rebuilt ALX-952AR. Operationally checked, no defects noted. Steven R. Hansen A&P 542944943				
11-14-05	Hobbs Time 283.7	hrs.	Changed the engine oil and oil filter. Added 8 quarts of Aeroshell 15W-50 multigrade oil and installed one new Champion CH48109-1 filter. Oil analysis sample submitted to "AOA" of Phoenix, Az. Washed the engine. Run up and leak checks performed.	
SIGNED: Steven R. Hansen W.O.# 2423 FAA REPAIR STATION LOBRITIN LA QUINTA FBO, INC. THERMAL, CA 92774				
3-21-06	Hobbs Time 286.5	hrs.	Compression check cylinder #17480 #27180 #37180 #47080 #57080 #67080. Inspected the oil filter for contamination, checks normal. Installed one new Champion CH48109-1 filter and added one quart of Aeroshell 15W-50 oil. Run up and leak checks performed.	
SIGNED: James Gunn W.O.# 2516 FAA REPAIR STATION LOBRITIN LA QUINTA FBO, INC. THERMAL, CA 92774				
3-29-06	Hobbs Time 286.5	hrs.	Cleaned, gaged and rotated all spark plugs. Checked the magnets for proper seating all 5-BT plugs. Replaced all rocker cover gaskets with new TCM #M 35338-44 lock washers. Run up and leak checks performed. Installed a new clutch head buffer.	
SIGNED: James Gunn W.O.# 2516 FAA REPAIR STATION LOBRITIN LA QUINTA FBO, INC. THERMAL, CA 92774				
6-32-07			Plw 61492.43 and opening plw 632907 with new TCM parts.	

Date	Total Time	Time Since Last Overhaul		Engine Service and Maintenance Record
		Hrs.	Min.	
Southeast Aero Services Inc. St Augustine, FL Phone (904) 824-1899 / Fax (904) 824-6334 Continental IO-550-N2 s/n 686215 NS90JG 7-14-06 Hobbs: 319.4hrs Eng TT: 319.4hrs Completed an Annual inspection in accordance with Chap.05-20-00 Lancair inspection checklist this date. Compression checked as follows: 172/80 270/80 375/80 471/80 572/80 675/80. Oil drained, filter removed and contents examined. No contaminants found. Engine serviced to capacity with Aeroshell 15-W-50 oil. Fuel injector nozzles ultra-sonic cleaned and reinstalled using new gaskets and seals. Installed new sparkplugs, bottom #5 cylinder location. Cleaned, gapped and rotated remaining sparkplugs. AD's checked thru revision 2006-12 T-Data. No AD's due at this time. Cleaned, serviced and reinstalled air filter. Completed TCM SID 97-3C. Engine ran and leak checked normal.				
I certify this engine has been inspected in accordance with an Annual inspection and determined to be in satisfactory condition at this time. Bryan M Wood A&P2543967571A				
Southeast Aero Services Inc. St Augustine, FL Phone (904) 824-1899 / Fax (904) 824-6334 Continental IO-550-N2 s/n 686215 NS90JG 9-28-06 Hobbs: 355 hrs Eng TT: 355 hrs. Oil drained, filter removed and contents examined. No contaminants found. New filter installed and engine serviced to capacity with Aeroshell 15-W-50 oil. Engine ran and leak checked. No leaks noted. Bryan M Wood A&P2543967571				
ALLIETS OPERATIONS 2501 SE AVATION WAY, STUART FL 34996; PH# 772-288-5202 Date: 11/28/2006; Aircraft: NS90JG; Type: LC-40-560FG; SN: 40044; Hobbs: 369.80 Shop Order #: A13702, Closed: 11/28/2006 Replaced six lower spark plugs with new, PIN RHB32E, and installed remaining serviceable plugs on upper part of cylinder. Drained oil and removed filter. No contamination found. Installed new filter PIN CH48109 and serviced with 8 qts. Aeroshell 15W-50 oil. Leak checked good.				
Maintenance Release: This aircraft, airframe, engine, propeller or appliance identified above was repaired in accordance with the current regulations of the FAA, and was determined to be in satisfactory condition with respect to the work performed and is approved for return to service. Further details are on file at this repair station under work order number.				
Signed: David Porter for David Porter, DOM Cert#: 30656145714 2501 SE Aviation Way, Suite D, Stuart, FL 34996				

