

*The Standard*

# **AIRCRAFT LOG**

**ASA-SA-1**


TOTAL  
TIME IN  
SERVICE

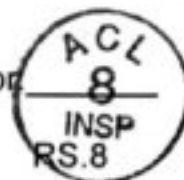


FAA CRS NA3R703L  
Reno-Stead Airport  
4825 Texas Avenue  
Reno NV 89506

PH: (775) 972-5540

Date: 6/26/2009; Aircraft: N3TS; Type: LANCAIR IVP; S/N: LIV-343  
Installed new connector on transponder. Transponder Operational checked normal. Static system tested to 25,000 ft. in accordance with Appendix E of Part 43, as required by FAR 91.411. Transponder failed initial test. Transponder has been tested to comply with Appendix F of Part 43, FAR 91.413. Pertinent details of work accomplished on file at this Agency.

Signed:  Inspector  
Date: 6/26/2009 Work Order #15773  
for AVIATION CLASSICS Ltd. FAA CRS: NA3R703L























YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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FAA CRS NA3R703L  
 Reno-Stead Airport  
 4825 Texas Avenue  
 Reno NV 89506

PH: (775) 972-5540

Date: 9/25/2014; Aircraft: N3TS  
 Removed existing hydraulic system accumulator and installed a new hydraulic accumulator p/n:ACC-30, s/n:1050596. Serviced accumulator with nitrogen to 600 psi. Pertinent details of work accomplished on file at this Agency.

Signed: *[Handwritten Signature]* Inspector:



Work Order #18900  
 for AVIATION CLASSICS Ltd. FAA CRS: NA3R703L DD/9



Notes



FAA CRS NA3R703L  
Reno-Stead Airport  
4825 Texas Avenue  
Reno NV 89506

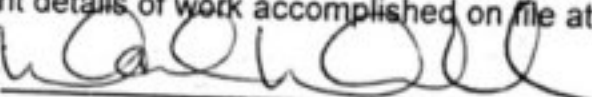

PH: (775) 972-5540

Date: 7/09/2015; Aircraft: N3TS; Type: LANCAIR IVP; S/N: LIV-343  
Removed and reinstalled Advanced Flight Systems EFIS system after software updated to  
Vx.12.02.02 in accordance with Advanced Flight Systems AF-5000 Series Version 12  
Software instructions. Pertinent details of work accomplished on file at Aviation Classics  
Ltd on Shop Order #19349.

Signed:



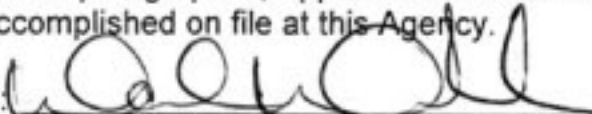
A handwritten signature in black ink, appearing to be 'H. Quinn', written over a horizontal line.

A&P No.3663557

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Person (Use "Aircraft" for other specific entries.)
DATE				<div data-bbox="514 186 829 331" data-label="Image"> </div> <div data-bbox="997 198 1260 331" data-label="Text"> <p>FAA CRS NA3R703L Reno-Stead Airport 4825 Texas Avenue Reno NV 89506</p> </div> <div data-bbox="1365 204 1617 246" data-label="Text"> <p>PH: (775) 972-5540</p> </div>
				<p>Date: 11/25/2015; Aircraft: N3TS; Type: LANCAIR IVP; S/N: LIV-343 Removed Advanced PFD screen from pilot side, updated software to most current version and reinstalled. Removed existing dimmer control and interfaced wiring to new dimmer unit p/n:11-02047. Installed LED flex lighting p/n:11-08409 under glare shield. Pertinent details of work accomplished on file at Aviation Classics Ltd on Shop Order #19507 Signed:  A &amp; P 366357</p>
				<div data-bbox="598 698 892 830" data-label="Image"> </div> <div data-bbox="1071 692 1333 818" data-label="Text"> <p>FAA CRS NA3R703L Reno-Stead Airport 4825 Texas Avenue Reno NV 89506</p> </div> <div data-bbox="1438 686 1690 728" data-label="Text"> <p>PH: (775) 972-5540</p> </div>
				<p>Date: 3/23/2016; Aircraft: N3TS; Type: LANCAIR IVP; S/N: LIV-343 Removed and replaced aircraft backup battery p/n:SS-WAK12-8F. Pertinent details of work accomplished on file at Aviation Classics Ltd on Shop Order #19769. Signed:  A &amp; P No. 366357</p>





YEAR:  DATE	TOTAL TIME IN SERVICE	<b>Equipment Addition, Removal or Exchange</b>					
		Item	Manufacturer's Name	Model	Serial Number		
			FAA CRS NA3R703L Reno-Stead Airport 4825 Texas Avenue Reno NV 89506		PH: (775) 972-5540	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional	
			Date: 8/02/2016; Aircraft: N3458Y; Type: CESSNA; S/N: 18051958 Removed Garmin GTX 330 p/n:011-00455-00, s/n:84143772. Reinstalled upgraded Garmin GTX 330 p/n:010-00230-62, s/n:84143772. Transponder has been tested to comply with paragraph C, Appendix E of Part 43, I/AW FAR 91.403. Pertinent details of work accomplished on file at this Agency.				<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional
			Signed: 	Inspector:	Work Order #19997 for AVIATION CLASSICS Ltd. FAA CRS: NA3R703L DD/9	<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional	
						<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional	
						<input type="checkbox"/> Addition of Optional Equipment <input type="checkbox"/> Removal of Optional Equipment <input type="checkbox"/> Addition of Required-Exchanged for Optional <input type="checkbox"/> Removal of Required-Exchanged for Optional	



YEAR:

TOTAL

## Equipment Addition, Removal or Exchange

DATE



FAA CRS NA3R703L  
 Reno-Stead Airport  
 4825 Texas Avenue  
 Reno NV 89506

PH: (775) 972-5540

Date: 1/30/2018; Aircraft: N3TS; Type: LANCAIR IVP; S/N: LIV-343  
 Removed top cowl. Removed existing Concorde RG24-15 battery and installed new  
 Concorde RG24-15 battery, s/n:40915693. Reinstalled top cowl. Pertinent details of work  
 accomplished on file at Aviation Classics Ltd on Shop Order #20880.

Signed:

A&amp;P 3663557

Addition of Optional Equipment  
 Removal of Optional Equipment  
 Addition of Required-Exchanged for Optional  
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RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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I CERTIFY THAT THIS AIRCRAFT HAS BEEN  
 INSPECTED ON 10/6/2018 IN ACCORDANCE  
 WITH THE SCOPE AND DETAIL OF APPENDIX D OF  
 PART 43 AND FOUND TO BE IN A CONDITION FOR  
 SAFE OPERATION

*Thomas L Zolner* 22358221A






*Diemech Turbines, Inc.*

*Engine Log*

Diemech Turbine Serial Number:

882031

Date of Manufacture: 1988 Date of 1st Rebuild 2/15/05  
Date of 2nd Rebuild..... Date of 3rd Rebuild .....

**Engine Accessories Serial Numbers:**

Name	Part Number	Serial Number
Propeller Tach Gen Np/N2	LUN 1333.12-8	8711236
Compressor Tach Gen Ng/N1	LUN 1333.12-8	8212527
Propeller Governor	LUN 7815.02-8	882007
Fuel Control Unit	LUN 6590.03-8	882004
Fuel Pump	LUN 6290.03-8	881019
Starter generator	LUN 2132.02-8	5385480

**Engine Times Summary:**

Name	Time Since New	Life Limit	Remaining
Engine Assembly	1496.7	6000	4503.3
Fuel Pump	1496.7	6000	4503.3
Fuel Control Unit	1496.7	4500	3003.3
Propeller Governor	1496.7	4500	3003.3
Starter Generator	1496.7	6000	4503.3



**Maintenance Program:**

This engine is maintained in accordance with the Diemech Turbines, Inc. 300 hour maintenance program. No substitutions are allowed unless they are approved by the appropriate aviation authority and Diemech Turbines, Inc. Copies of the Diemech Turbines 300 hour maintenance program can be obtained from Diemech Turbines, Inc.



These are the recommended turbine oils that can be used:

1. AeroShell Turbine Oil 500
2. AeroShell Turbine Oil 555
3. AeroShell Turbine Oil 560
4. Mobil Jet Oil 11
5. BP Turbo Oil 2380
6. Castrol 599

The most common oil found at FBO's is the BP Turbo Oil 2380.  
No mixing of oil is permitted.

Fcu to be serviced every 6 months.

YEAR DATE	TACH TIME	CYCLES	TT SINCE NEW	TT SINCE REBUILD	Description of Inspections, Tests, Repairs and Alterations. Entries must be endorsed with Name of Technician or Repair Facility.
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**IRAN on Diemech M601D Turbine serial #: 882031.**

Dismantle, inspect and clean. Replace 1 blade on 1st stage shaft compressor. Repair 12 blades on 1st stage shaft compressor. Repair 3 blades on 2nd stage shaft compressor. Repair 2 blades on power turbine wheel. Repair 4 blades on 1st stage stator compressor. Nickel and ceramic coat inner combustion chamber. Repair outer combustion chamber stator and manifold locks. Repair fuel manifold and machine. Check rivets on outer combustion chamber. Nickel and ceramic coat stator. Repair vanes on vane diffuser assembly. Repair 2 diffuser blades. Replace compressor turbine bearings. Replace compressor thrust bearing. Replace 2nd stage lock ring. Replace 8 bolts on power turbine wheel. Replace 1 bolt on compressor turbine wheel. Assemble turbine shaft complete and balance. Compressor side 0.54 brought to 0.07 grams. Turbine side brought from 0.66 to 0.06 grams. Inspect power turbine and found satisfactory. Replace deflector plate. Replace one thermocouple. Remove and sonic clean all screen filters. Replace oil filter. Dismantle, clean, inspect pressure and bypass valve. Assemble turbine complete. Dismantle, clean, inspect and fit blow off valve. Inspect starter generator and replace brushes. Test run 02-15-2005 on test stand for 2.1 hours.

128 PSI = 100% Torque



YEAR 2005 DATE	TACH TIME	CYCLES	TT SINCE NEW	TT SINCE REBUILD	Description of Inspections, Tests, Repairs and Alterations. Entries must be endorsed with Name of Technician or Repair Facility.
02/15		1176	1496-7		Totals from old
		1179	1498-8	2-1	Run on Test Stand



Turbine serial #: 882031

Hours 167.8

09-25-2015

Preform 300 hour condition inspection. Remove front gearbox. Adjust power turbine nozzle. Replace one power turbine nut and washer. Balance and reinstall front gearbox. Replace 4 starter generator brushes. Replace starter generator seal. Replace propeller governor SN# 15G569C. Replace oil filter. Supply 13 quarts of BP2350 turbine oil. Replace fuel filter. Bleed FCU. Preform spectrum analysis. I certify that this turbine is in good condition for normal operation.

Q. Cokinogenesis A&P #: 2682754 .....
