



Transport
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TP3910E

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE



Second Edition

January 1987

Canada

ENGINE LOG

1. Make Aero Sport Power
2. Model 10-540-D4A5
3. Specification Experimental Aircraft
4. Manufacturer's Serial Number 0451
5. Date of Manufacture _____
6. Aircraft Inspection Cycle _____

Original Engine SD - L-18205-48A

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
Nov 19/02			00	00	AERO SPORT POWER 2965 Airport Road, Kamloops B.C. V2B 7W8 Canada LOGBOOK INSERT Engine Make <u>Aero Sport Power</u> Engine Hours: <u>00</u> Engine Model: <u>IO-540-D4A5</u> Work Order # <u>U10052</u> Engine Serial Number <u>0451</u> Inspection # <u>9434</u> Engine overhauled for experimental aircraft. Date November 19,2002
CARRIED FORWARD					
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TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					



ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
1-11-07					Inspected in Compression check #1 ²⁴ / ₄₀ #2 ²⁵ / ₄₀ #3 ²⁶ / ₄₀ #4 ²⁶ / ₄₀ #5 ²³ / ₄₀ #6 ²⁷ / ₄₀ - Changed Oil 11 gts AeroShell 100 w/ Plus - New Champion CH 48110-1 Oil Filter installed Old Filter internally inspected checked OK - Cleaned all injection nozzles Cleaned tappet plugs + rotated as needed - Cleaned plug wire insulators as needed - W AD 2062-26-01 on Fuel injection Lines per SB 342 D - Engine and Aircraft Returned to Service per scope and Detail of Appendix D of Part 43 of 1-1-07. Scatterlyn AWP244784718A End
5-22-07					changed Oil 11 gts AeroShell 100 w/ Plus New Champion CH 48110-1 Filter Old Filter internally inspected ok OK Replaced both Oil Cooler to Engine Noses with #124 F003-8CR-0080 and 124 F002-8CR-0104 from A.P.T. Nose Shop - Scatterlyn AWP244784718 End
6-1-07					Changed Oil 11 gts AeroShell 100 w/ Plus Old Filter internally inspected OK OK - Scatterlyn AWP244784718 End
					CARRIED FORWARD
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TOTAL SINCE MFG.					

MAINTENANCE RECORD

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REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

2-12-08

INSPECTIONS

SB. 7 TACK + SNOW

Compression Check #1⁷⁴/₈₀ #2⁷⁵/₈₀ #3⁷⁷/₈₀ #4⁷⁴/₈₀
#5⁷¹/₈₀ #6⁷⁶/₈₀ - Changed Oil 11 qts AeroShell
100.W Plus - New Tempest PP AA 48110 Oil Filter
installed. Old Filter internally inspected ch OK.
R+I Cleaned all fuel injection nozzles - CW.
AD 2002-26-01 ON Fuel injection Lines per
SB 342D - Cleaned and gapped plugs - rotated
top to bottom - Cleaned plug wire insulator
wires - Engine and aircraft returned
to service per scope and Detail of Appendix
D of Part 43 OK 2-12-08.

Scatter Roy - AWP2447847181A

End

6-5-09

76.9 Hobbs/Tack Snow

Engine Inspected Compression Check #1⁷⁶/₈₀
#2⁷⁶/₈₀ #3⁷⁶/₈₀ #4⁷⁶/₈₀ #5⁷⁶/₈₀ #6⁷⁶/₈₀ - Cleaned
and gapped plugs - Cleaned all plug
wire insulators - Checked / Tightened
All Rocker cover screws - Cleaned
all fuel injection nozzles - Inspected
Exhaust System ch OK - Installed Fire
Sleeve Material above Stacks onto Engine
Mount for Heat Protection - Note: Oil Not
Changed Due to Low Hrs (182 hrs) New
Tempest PP AA 48110 Oil Filter installed
Old filter internally inspected checked
OK. CW AD 2002-26-01 ON Fuel injection
Lines per SB 342D - Engine and aircraft
returned to service per scope and
Detail of Appendix D of Part 43 OK 6-5-09.

Scatter Roy - AWP2447847181A

End

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					ANNUAL INSPECTION
7-1-10					Compression Check #1 $\frac{76}{80}$ #2 $\frac{76}{80}$ #3 $\frac{72}{80}$ #4 $\frac{78}{80}$ 99 hr track + SMOH 5 $\frac{76}{80}$ #6 $\frac{78}{80}$ Changed Oil 11 qts Aeroshell 100W plus New Tempstat AA 48110 Oil filter installed. Old filter internally inspected check OK - Cleaned gapped plugs. Cleaned plug wire insulators - Checked tightened rocker cover screws as needed - Inspected exhaust system - check OK - C/W AD 2002-26-01 8N Fuel injection lines per SB 342D - Note AD 2007-04-12 8N SAP Cylinders NA by 501 Date manufactured (Engine OK 2002) Engine and Aircraft returned to Service per Scope and Detail of Appendix D of Part 43 and 7-1-10 - Scott Ryz AD 2447847195A Ende
5-11-11					This Engine Inspected per Aircraft Condition inspection Scope and Detail of Appendix D - FAR 43 and found to be in a Condition AD 5-11-2011 per 43 Safetylight - Compression Check #1 $\frac{80}{80}$ #2 $\frac{75}{80}$ #3 $\frac{71}{80}$ #4 $\frac{76}{80}$ #5 $\frac{75}{80}$ #6 $\frac{74}{80}$ - Changed Oil 11 qts Aeroshell 100W Plus - New Tempstat AA 48110-2 Oil filter installed. Old filter internally inspected check OK - Checked and tightened all rocker cover screws - Inspected Exhaust + intake System check OK - C/W AD 2002-26-01 8N Fuel injection lines per SB 342D - C/W AD 2008-14-07 9N Fuel injection lines. See Airworthiness Directive Compliance List for Details - Scott Ryz AD 2447847195A Ende
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MAINTENANCE RECORD

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REPAIRS, ADJUSTMENTS, MODIFICATIONS
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NUMBER

ENGINE RETURNED FROM AEROSPORT AFTER TEARDOWN &
INSPECTION due to prop strike.
INSTALLED ENGINE ON N540H. ENGINE ground
run, no leaks detected. OK Return to Service

D. J. Anderson

3289193AIP

AERO SPORT POWER

2965 Airport Road Kamloops B.C. V2B 7W8 Canada

LOGBOOK INSERT

Engine Make Aero Sport Power

Engine Hours 111.9

Engine Model IO-540-D4A5

Work Order # U17738

Engine Serial Number 0491

Date July 4, 2011

Engine inspected. The engine was reassembled using replacement parts per order # U17738, test run and is returned to service.

Inspected by (S.L. 163C) Prop strike inspection

Date July 4, 2011

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					condition inspection/ANNUAL
5/10/12	137.7	FACH			Compression tested as follows: #1 74/80 #2 75/80 #3 75/80 #4 74/80 #5 78/80 #6 78/80 Changed oil and filter w/ 10 qts Aeroshell 100-50wt and Tempest 48110-2 filter. Filter cut open and inspected. Very Clean. C/W AD 2002/26/06 on fuel injection lines per SB 342D. Engine and all returned to service per scope & detail of App. D. Part 43. Bobson 3289183
12/28/12	158.4				changed oil w/ 10 qts Aeroshell 100-50wt. checked all lines, hoses, wiring & condition/checked DS Adam 3289183
5/21/13	164.6				Compression tested as follows: #1 77/80 #2 77/80 #3 76/80 #4 75/80 #5 78/80 #6 74/80 C/W AD 2002/26/06 on fuel injection lines per SB 342D. All other AD's previously C/W. This engine inspected FAW an annual condition inspection per per the scope and detail of FAR Part 43 App. D. and was found to be safe for flight. DS Adam 3289183



EXP Aircraft Services, Tel: 972-746-5154
ENGINE LOG BOOK ENTRY

Date: 6/23/2014 N# 540H W/O: 1523 Hobbs: 186.4
Eng: Aero Sport Power Model: IO-540-D4A5 SN: 0451 Tach: xxx

Changed engine oil and oil filter with Tempest AA48110-2 and 10 Qts. Aeroshell W100 Plus. Inspected fuel and oil filter screens, cut open oil filter, no contamination noted. Accomplished engine compression test (warm): 1)76, 2)75, 3)76, 4)74, 5)78, 6)75 over 80 and engine borescope inspection. Cleaned and gapped spark plugs, checked mag timing. Installed new Teflon fuel line from purge valve to bulkhead fitting. Accomplished engine run & leak checks with no discrepancies noted. Checked engine AD's, see AD compliance record. C/W AD 11-26-04 (External FI Lines) by inspection. I certify this engine has been inspected in accordance with the scope and detail of CFR Part 43 Appendix D and found to be in a condition for safe operation.

Walter Aronow, AP# 2885838

Walter Aronow

Date: 6/23/2014

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TOTAL SINCE MFG.			

MAINTENANCE RECORD

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REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



EXP Aircraft Services, Tel: 972-746-5154

ENGINE LOG BOOK ENTRY

Date: 8/22/2015 N# 540H W/O: 1729 Hobbs: xxx
Eng: Aero Sport Power Model: IO-540-D4A5 SN: 0451 Tach: 198.1

Changed engine oil and oil filter with Tempest AA48110-2 and 9 Qts. Aeroshell W100 Plus. Inspected fuel and oil filter screens, cut open oil filter, no contamination noted. Accomplished engine compression test (warm): 1)78, 2)75, 3)74, 4)74, 5)75, 6)76 over 80. Cleaned and gapped spark plugs, checked mag timing. Accomplished engine run & leak checks with no discrepancies noted. Checked engine AD's, see AD compliance record. C/W AD 11-26-04 (External FI Lines) by inspection. I certify this engine has been inspected in accordance with the scope and detail of CFR Part 43 Appendix D and found to be in a condition for safe operation.

Walter Aronow, AP# 2885838

Date: 8/22/2015

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

