

Aircraft Record General Information

Manufacturer VANS Model RV9A
Serial 91528 Registration Number N807LK
Date of Manufacture 4-23-2015

Engine(s) currently installed:

Manufacturer Superior Model XP-0-320-BIADA Serial 32F110186
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer Hartzell Model HC-C2YL-1BF/F7663-4
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

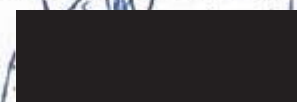
YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE: 4/13/2015 A.C.T.T. 00.0 SER# 91528 VANS RV9A N807LK

INSPECT AIRCRAFT AS PER VANS ASSEMBLY DRAWINGS. INSPECT WINGS, TAIL ASSEMBLY, ALL FLIGHT CONTROLS, FUSELAGE, WHEELS AND BRAKES, FUEL SYSTEM AND OIL SYSTEM, NAV AND LANDING LIGHTS. INSTALL TRUE TRACK FLIGHT EFIS SYSTEM AND STANDBY SYSTEM WITH ENGINE INSTRUMENTS. INSTALL GARMIN SL 30 NAV/COMM AND GARMIN 327 TRANSPONDER. INSTALL FREE FLIGHT ADS-B SYSTEM AS PER FREE FLIGHT INSTALL MANUAL, INSTALL 406 ELT AS PER INSTALL MANUAL FOR UNIT. PERFORM STATIC SYSTEM CHECK AND TRANSPONDER CHECK AS PER 91.411 AND 91.413. VFR ONLY. INSTALL PLACARDS ON INSTRUMENT PANEL AND LABEL ALL SWITCHES AND CIRCUIT BREAKERS. PLACARD LEFT AND RIGHT WING FUEL TANKS.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITION INSPECTION AS PER PART 43 APPENDEX " D " AND WAS FOUND TO BE IN CONDITION FOR SAFE FLIGHT.

JOHN PRUSSMAN



YEAR 20____ DATE	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 Facility. (See back pages for other specific entries.)
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GREAT LAKES INSTRUMENT & RADIO ~ 2GLR662B

A/C N807LK Dual ☐ Date 4-17-2015

ATC Transponder checked i/a/w 14CFR: 91.413 & 43F

Encoder ckd to 15000' ft i/a/w 14CFR:91.411 & 43E(c)

Static system checked i/a/w 14CFR 91-411 part 43 ☒

Work Order 2951

By:

04/27/2015	Ø	Ø	Ø	I HAVE INSPECTED THIS AIRCRAFT FOR THE CERTIFICATE REQUESTED AND FOUND IT MEETS THE REQUIREMENTS FOR CERTIFICATION AS AN EXPERIMENTAL AMATEUR-BUILT AIRCRAFT AND HAVE ISSUED THE CERTIFICATE. THE NEXT CONDITION INSPECTION IS DUE 04/2016. [REDACTED], INSPECTOR, EMI FSDD, GL-23
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[illegible]

YEAR 20____ DATE	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 Facility. (See back pages for other specific entries.)
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JUNE 16, 2016 CONDITION INSPECTION N807LK VANS RV9A S/N 91528
Tach Time 53.2 Total time A/C and Engine 53.2

Removed all inspection plates and fairings. Inspected the engine cables and connections. Inspected skin, push rods and empennage connections. Cleaned cabin, checked seats and safety belts. Repaired small crack in corner of canopy. Checked instruments for proper installation. Checked and charged battery. Checked entire airplane for signs of oil or gas leaks. Inspected engine mount. Cables to engine were all secure. Lines and hoses all OK. Checked cowl for fit and attachment. Landing gear is secure. Brake lines and tight with no leaks. Wheels have no defects. Tires are inflated to specs. Propeller was repaired. See entry in engine log. Repaired propeller installed per specs. Radio and electrical components found to be properly installed. Antenna OK. Removed and checked the gascolator for debris. Removed and tested the ELT. It works fine. Battery must be replaced in May of 2017.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE
WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO
BE IN A CONDITION FOR SAFE OPERATION.

Levon G. King
Repairman #

EXPERIMENTALTM ENGINES SERIES

LOGBOOK INSERT

Built by: Superior Aviation

Engine Model: XP-IO-320-B1AD2

Engine Serial Number: 32F110186

It is certified that this Superior XP Series Engine has been manufactured, inspected and tested in accordance with Superior's Procedures and Work Instructions and is determined to be in a condition for safe flight.

Outside Temperature	32	°F
Dew Point	10	°F
Barometric Pressure	30.2	In-Hg
Relative Humidity	39	%

SUPERIOR

Engine Run Sheet

Work Order	P-XP32-110014
Engine Model	XP-IO-320 B1AD2
Engine Serial	32F110186
Date	12/11/2012

Test Cell				Fuel Type	Magnetto Performance		Oil Consumption	Idle Mixture & Cut-off Check		
Intake Air Temperature at WOT	102	°F			Left Mag	Right Mag		RPM Rise:	40	OK ✓
Ambient Air Pressure Prior to Start	30.2	In-Hg		95#	0	0	Qt/Hr 0.3			

Time	RPM	MAP	Oil		Fuel		CHT						EGT					
			Press	Temp	Press	Flow	1	2	3	4	-	-	1	2	3	4	-	-
5	1000	12.9	48	66		1.9	160	138	167	163			1043	929	1072	1007		
5	1700	18.2	53	102		4.8	234	190	229	224			1110	1070	1140	1117		
10	2000	21.4	55	134		6.6	261	215	255	247			1146	1113	1171	1134		
5	2600	28.8	64	174		12.8	348	301	341	295			1198	1281	1238	1174		

10	2300	25.5	59	163		9.0	316	259	302	272			1186	1196	1210	1145		
10	2000	21.1	53	144		6.4	274	219	263	253			1143	1109	1160	1131		
5	1600	15.9	47	119		3.3	240	189	230	227			1081	1033	1110	1100		
5	1200	13	41	110		1.5	220	169	212	211			1102	985	1078	1082		
5		14.7	36	103		0.8	200	166	202	204			985	945	1112	1000		

Oil Level		
Start	6.7	Qts
Final	6.4	Qts

Power @ WOT		
Raw Measured	147.2	BHP
Corrected	156.2	BHPc

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
DATE: 4/13/2015 T.S.N. 00.0			
SUPERIOR ENGINE XP-O-320-B1AD2 SER# 32F110186 INSTALLED ON AIRCRAFT N807LK VANS RV9A SER#91528			
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A CONDITION INSPECTION AS PER PART 43 APPENDEX " D " AND WAS FOUND TO BE IN CONDITION FOR SAFE FLIGHT.			
			 JOHN PRUSSMAN
3/31/16	51.0	51.0	Changed oil and replaced oil filter. Inspected filter and found no metal Private Pilot. Repairman Certificate #

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
5/16/16	52.0	52.0	Did compression test. #1-78/80 #2-79/80, #3-78/80 #4 78/80 [REDACTED] Repairman Certificate # [REDACTED]
5/20/16	52.0	52.0	Discovered groove in prop blade caused by spinner chafing on blade. Delivered to prop shop for repair [REDACTED] Repairman certificate # [REDACTED]
6/1/16	52.0	52.0	Installed repaired prop. [REDACTED] rep. # [REDACTED] [REDACTED] see release next page

MAINTENANCE RECORD

Date	Task Time	Total Time	Description	Test Results
	1. Approving Civil Aviation Authority / Country: FAA / United States 2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG 3. Form Tracking Number: S046263			
	4. Organization Name and Address: H & S Propeller Shop, Incorporated 8220 Old White Lake Road, White Lake, Michigan 48386-1154 5. Work Order / Contract / Invoice Number: W46263			
	6. Item:	7. Description:	8. Part Number:	9. Quantity:
	One	Propeller	HC-C2YL-1BF	One
	10. Serial Number:			11. Status/Work:
	QR105B			Repair
	12. Remarks: Propeller blades repaired due to spinner chafing in accordance with Hartzell Manual 113B Rev 42 dated 01/APR/2015 and other current FAA approved data - details found on file at this repair station under work order 46263. REPAIR ONLY - Propeller not disassembled.			
	13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12.			
	14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
	13b. Authorized Signature:		13c. Approval/Authorization No.:	
	14b. Authorized Signature:		14c. Approval/Certificate No.:	
			MQ5R050N	
	13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	
	14d. Name (Typed or Printed):		14e. Date dd/mm/yyyy:	
	Timothy S. Cilley		26/May/2016	

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
JUNE 16, 2016	CONDITION INSPECTION	N807LK	VANS RV9A S/N 91528
Tach Time 53.2	Total time	Engine 53.2	
Performed condition inspection in accordance with CFR Part 43 Appendix D. Changed oil and filter. Serviced with 8 quarts of Aeroshell 15w50 and Champion 48-108 oil filter. Performed compression check as noted above. Cut and examined used filter element. Sent sample of used oil for analysis. No metal found. Oil analysis report shows all metrics within normal limits. Serviced ignition lines of eMag and fuel pump. Engine maintenance operation satisfactory. I certify that this engine has been inspected in accordance with the scope and detail of Appendix D of CFR Part 43 and found to be in a condition for safe operation.  Levon G. King Repairman # 			