



EXPERIMENTAL ENGINES SERIES

ENGINE LOGBOOK

SUPERIOR
AIR PARTS

P/N: SXSeries-LB

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations
			<p> MTech Aviation LLC, St Charles IL 60174. 2248297308</p> <p>N#: 595BS Model: Vans RV-4 Serial #: 3 Tach: 792.2 Hobbs 924.1</p> <p>Engine: Superior 0-360-B1HC3 S/N 36L181992</p> <p>Completed annual condition inspection of engine in accordance with Vans condition inspection checklist and Lycoming inspection procedures. Performed cylinder compression check with the following results: Cylinder #1: 79/80, Cylinder#2: 77/80, Cylinder#3: 77/80, Cylinder #4: 78/80. Removed, cleaned and inspected K & N air filter and re-oiled. Drained engine oil and removed filter. Replaced filter with new P/N AA-8108-2, and added 6 quarts of Phillips X/C 20W-50. Completed Vans SB 00036- REV 3 by inspection of horizontal stabilizer rear spar outboard hinge brackets. No defects noted at this time. SB 00036 Inspection Next Due March/ 2025</p> <p>I certify this Engine has been inspected or repaired IAW applicable title 14 code of federal regulations and manufacturer's specifications and is approved for return to service as it relates to the work performed.</p> <p> Chris Merani, AP3435422IA</p>

 MTech Aviation LLC, St Charles IL 60174. 2248297308	N#: 595BS Model: Vans RV-4 Serial #: 3 Tach: 792.2 Hobbs 924.1	Engine: Superior 0-360-B1HC3 S/N 36L181992	March 1, 2024
		<p>Performed annual propeller condition inspection in accordance with vans inspection checklist. Inspected hub and blades with no defects noted at this time. Completed operational leak check satisfactory</p> <p>I certify this Propeller has been inspected or repaired IAW applicable title 14 code of federal regulations and manufacturer's specifications and is approved for return to service as it relates to the work performed.</p> <p> Chris Merani, AP3435422IA</p>	

MAINTENANCE RECORD

Engine	page 1 of 1
<p>595BS ENG TT: 225.9</p> <p>Superior, O-360-B1HC3, S/N: 36L181992 FLIGHT: 852.3 HOBBS: 999.6</p> <p>Completed annual condition inspection of engine in accordance with Vans condition inspection checklist and Lycoming inspection procedures. Performed cylinder compression check with following results Cyl #1) 79/80 Cyl #2)79/80 Cyl #3)79/80 Cyl#4) 77/80. Drained engine oil and serviced with 6qts of Phillips XC 20W50. Removed Oil Filter and performed particulate inspection with no issues noted. Installed new Tempest Oil Filter p/n AA48108-2. Completed Vans SB0036- REV 3 inspection of horizontal stabilizer rear spar outboard hinge brackets. No defects noted at this time. SB00036 Inspection next due March 2026. Removed all 4 valve covers and gaskets. Installed 4 new each p/n RG-75906 Real Gasket silicone Valve Cover Gaskets. Reinstalled valve covers and performed leak check with no issues noted. Removed, cleaned, and reinstalled K&N air filter.</p> <p>With respect to the work performed, this engine is approved for return to service.</p> <p>Christophe Merani Mechanic AP3435422IA </p>	March 22, 2025

Propeller	page 1 of 1
<p>595BS FLIGHT: 852.3</p> <p>Vans, RV-4, S/N: 3 HOBBS: 999.6</p> <p>Performed Annual propeller condition inspection in accordance with Vans inspection checklist. Inspected Hubs and Blades with no defects noted at this time. Completed operational leak check satisfactorily</p> <p>With respect to the work performed, this propeller is approved for return to service.</p> <p>Christophe Merani Mechanic AP3435422IA </p>	March 22, 2025

MAINTENANCE RECORD

REG. NO.	N595BS
MAKE	SUPERIOR
MODEL	O-360-B1HC3
S/N	36L181992

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	09/24/20
TACH	678.6
ENG. TT	50.2
SMOH	

DRAINED OIL, C/W SB 480F, INSPECTED AND REPLACED FILTER, INSPECTED AND CLEANED SCREEN, SERVICED SYSTEM WITH PHILLIPS 20W50 VICTORY OIL - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 76/80 #2 - 77/80 #3 - 76/80 #4 - 75/80 - CHECKED MAG TIMING - GROUND RUN AND LEAK CHECK GOOD

PERFORMED A CONDITION INSPECTION ON THIS ENGINE IAW FAR 43 APPENDIX D AND THIS ENGINE WAS FOUND TO BE IN A CONDITION FOR SAFE FLIGHT

CODY WILLIAMS

Cody Williams

A&P 4078259

REG. NO.	N595BS
MAKE	SUPERIOR
MODEL	O-360-B1HC3
S/N	36L181992

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	11/01/21
TACH	717.2
ENG. TT	90.8
SMOH	

DRAINED OIL, C/W SB 480F, INSPECTED AND REPLACED FILTER, INSPECTED AND CLEANED SCREEN, SERVICED SYSTEM WITH PHILLIPS 20W50 VICTORY OIL - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 76/80 #2 - 76/80 #3 - 77/80 #4 - 77/80 - CHECKED MAG TIMING - GROUND RUN AND LEAK CHECK GOOD

PERFORMED A CONDITION INSPECTION ON THIS ENGINE IAW FAR 43 APPENDIX D AND THIS ENGINE WAS FOUND TO BE IN A CONDITION FOR SAFE FLIGHT

CHARLES M. STUDER

Charles M. Studer

A&P 337545845

REG. NO.	N595BS
MAKE	SUPERIOR
MODEL	O-360-B1HC3
S/N	36L181992

Date

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	01/06/23
TACH	755.1
ENG. TT	128.7
SMOH	

DRAINED OIL, C/W SB 480F, INSPECTED AND REPLACED FILTER, INSPECTED AND CLEANED SCREEN, SERVICED SYSTEM WITH PHILLIPS 20W50 VICTORY OIL - REPLACED ALL 8 SPARK PLUGS (P/N NGK BR8ES) - CHECKED COMPRESSION #1 - 78/80 #2 - 77/80 #3 - 77/80 #4 - 76/80 - CHECKED MAG TIMING - GROUND RUN AND LEAK CHECK GOOD

PERFORMED A CONDITION INSPECTION ON THIS ENGINE IAW FAR 43 APPENDIX D AND THIS ENGINE WAS FOUND TO BE IN A CONDITION FOR SAFE FLIGHT

DAVID L. HRASCH

David L. Hrasch

A&P 348601527



N#: 595BS Model: Vans RV-4 Serial#: 3

Engine: Superior 0-360-B1HC3 S/N 36L181992 Tach: 778.3

June 29, 2023

Drained oil, removed, cut, and inspected filter for metal, none found. Installed New filter P/N AA48108-2, and safetied. Added 7 pts of Phillips Victory 20W50 engine oil. Added 11OZ of CAMGUARD. Took Oil Sample.

I certify this engine has been inspected or repaired IAW applicable title 14 code of federal regulations and manufacturer's specifications and is approved for return to service as it relates to the work performed.

Chris Merani

Chris Merani, AP3435422IA

MAINTENANCE RECORD

Date	Tach Time	Total Time	Description or Inspections, Tests, Repair and Alterations			
	REG. NO.	N595BS				
	MAKE	SUPERIOR				
	MODEL	O-360-B1HC3				
	S/N	36L181992				
	INSTALLED THIS ENGINE IN N595BS - SEE AIRFRAME LOG FOR ADDITIONAL DETAILS OF INSTALLATION - ENGINE WAS INSTALLED USING NEW MOUNTS (P/N J9613-40) - SERVICED ENGINE WITH PHILLIPS 20W50 TYPE M MINERAL OIL - GROUND RUN AND LEAK CHECK GOOD			DATE	07/03/19	
	PERFORMED A CONDITION INSPECTION ON THIS ENGINE IAW FAR 43 APPENDIX D AND THIS ENGINE WAS FOUND TO BE IN A CONDITION FOR SAFE FLIGHT			TACH	626.4	
				ENG. TT	0	
				SMOH		

2019 New Superior O-360 engine installed. New exhaust, intake, ignition.

CFR 91.319(b): I certify that the prescribed flight test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation. following aircraft operating data has been demonstrated during the flight testing: speeds 54, Vx 95, and Vy 125, and weight 1412, and CG location 71 at which they are obtained.

19	2.5 hrs.	Engine break-in: followed factory instructions for RPM/monitored temps
/19	2.5 hrs.	Engine break-in: followed factory instructions for RPM/monitored temps/verified Vspeeds documented above.
/19	1.0 hrs.	Tested cooling improvements.
/19	1.5 hrs.	Tested cooling improvements.
19	1.0 hrs.	Final test flight - success

ner: E & Shaw Date: 8.3.19



Travel Express Aviation Maintenance, Inc.
DuPage Airport, West Chicago, IL 60185

Date: 10/13/2016

Aircraft: N595BS

Model: Vans RV-4

Serial: 3

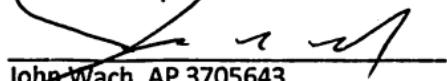
Invoice: 7583

Hobbs: 578.8 Tach: 524.8

The following work was accomplished:

- Balanced propeller.

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations.


John Wach, AP 3705643

END



Engine Model: O-360-B1HC3
Date: Nov. 30, 2018

Serial Number: 36L181992

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

Authorized Signature Darrell Single

Title: Technical Support

QAF 019 REV C

SUPERIOR
AIR PARTS

621 South Royal Lane, Suite 100
Coppell, TX 75019
Phone: (972) 829-4600