

**ROTAX**  
AIRCRAFT ENGINES



# ENGINE LOG BOOK

FOR ROTAX® 2-STROKE AND 4-STROKE AIRCRAFT ENGINES

no.: 7704532

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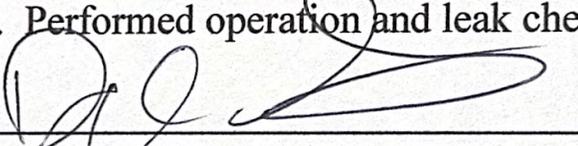
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**Base record:**

<b>Engine log book number:</b> _____ <b>for piston engine</b>		
<b>Type of engine:</b> 912	<b>Model:</b> i52	<b>Engine serial no.:</b> 7704532
<b>Manufacturer:</b> BRP-Rotax GmbH & Co KG, 4623 Gunskirchen, Austria		<b>Year of manufacture:</b>
<b>Data sheet:</b>		
<b>Take off power:</b> _____ <b>kW/HP.</b> <b>perm. duration:</b> _____ <b>min</b> <b>at</b> _____ <b>r.p.m.</b>		
<b>Max. cont. power:</b> _____ <b>kW/HP.</b> <b>at</b> _____ <b>r.p.m.</b>		
<b>Note:</b> <i>The above mentioned engine is considered to be operationally reliable if operated and maintained in accordance with the Civil Aircraft and Civil Aviation Equipment Order, current issue and the pertinent operational and maintenance instructions.</i>		
<b>Remarks:</b>		
<b>Date:</b>		<b>Signature:</b>

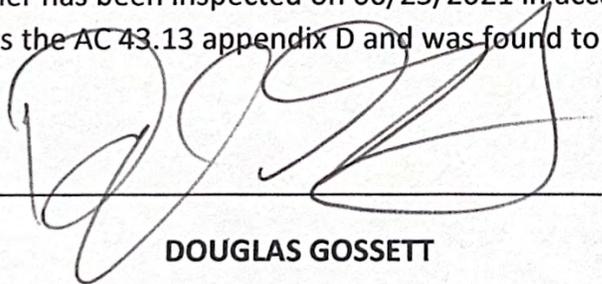
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**Engine installation record:**

Aircraft:		Date:		Engine hours:		Signature & Licence no.:
Registr.:	type:	in:	out:	TSN	TSO	
N608HG	RV-12iS SLSA	4-8-19		⊙	⊙	AK
<b>N608HG</b>	<b>VANS RV-12iS</b>	<b>Serial # 12078</b>		<b>TTAF: 47.1</b>		<b>7/27/2019</b>
<p>Drained and serviced oil with 4quarts of Aeroshell SPORT PLUS 4. Removed oil filter and installed with Tempest AA825706. Performed operation and leak check, both found to be satisfactory.</p>						
 <b>DOUGLAS GOSSETT</b> <b>A&amp;P2785453IA</b>						



**SB-status and modification record:**

Airworthiness directive or modification:	Date:	Signature & Licence no.:
<b>N608HG SERIAL #12078</b>	<b>TSMOH: 208.3</b>	<b>06/25/2021</b>
<p>Complied with condition inspection in accordance with Rotax, Vans manual as well as the AC 43.13 appendix D. Drained and serviced oil with 3 quarts of Aeroshell Sport Plus 4 oil. Replaced oil filter with Tempest AA52706. Installed SAF Air quick drain oil plug (RM12175, M12175) Performed A automotive compression check as follow:</p>		
Cyl. 1 130	Cyl. 2 148	
Cyl. 3 135	Cyl. 4 140	
<ul style="list-style-type: none"> <li>• COMPRESSION TEST DONE COLD</li> </ul>		
<p>I certify that this engine and propeller has been inspected on 06/25/2021 in accordance with the scope and detail of the Rotax, Vans manual as well as the AC 43.13 appendix D and was found to be in a safe operation.</p>		
		
<p><b>DOUGLAS GOSSETT</b></p>		
<p><b>A&amp;P2785453IA</b></p>		

**Modification record:**

Airworthiness directive or modification:	TSN:	Date:	Signature & Licence no.:
12-November-2018 912iS S/N 7704532 ETT: -0- Removed New Gear Box Assy. P/N 893341 S/N 73369 Cover P/N 811958 and Installed New Gear Box Assy. P/N 893341 S/N 74070 Cover P/N 811959 I/A/W ROTAX M/M/H 72-10-10. Performed Satisfactory Engine Performance Run-Up on Test Stand I/A/W ROTAX M/M/L 12-20-00.			<i>Kenneth A. Hanning A6P3457946</i>

**N608HG**

**SERIAL #12078**

**TSMOH: 406.6**

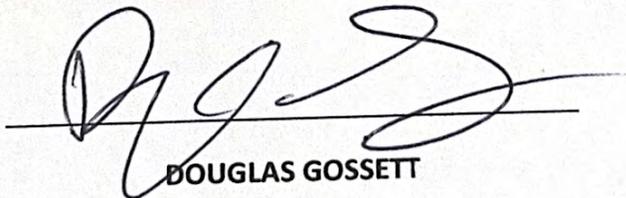
**07/2/2022**

Complied with condition inspection in accordance with Rotax, Vans manual as well as the AC 43.13 appendix D. Drained and serviced oil with 3 quarts of Aeroshell Sport Plus 4 oil. Replaced oil filter with Tempest AA52706. Performed A automotive compression check as follow:

Cyl. 1 150                      Cyl. 2 140  
 Cyl. 3 150                      Cyl. 4 145

- COMPRESSION TEST DONE COLD

I certify that this engine and propeller has been inspected on 07/2/2022 in accordance with the scope and detail of the Rotax, Vans manual as well as the AC 43.13 appendix D and was found to be in a safe operation.



**DOUGLAS GOSSETT**

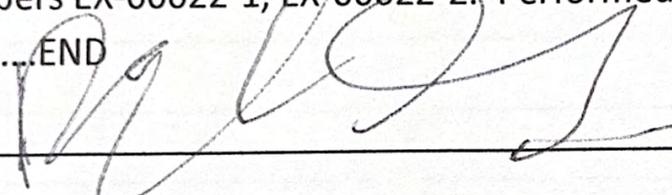
**A&P2785453IA**

N608HG

VANS RV-12iS SERIAL: 12078 TSMOH: 342.5

06/25/2021

Complied with Vans Service Bulletin 00013. Removed old exhaust tubes from clynders 1 and 2 and replaced with part numbers EX-00022-1, EX-00022-2. Performed Ops and leak check, both found to be satisfactory.....END

  
DOUGLAS GOSSETT

A&P2785453IA

06APR2022

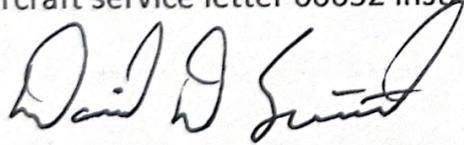
N608HG

RV-12IS

SN: 12078

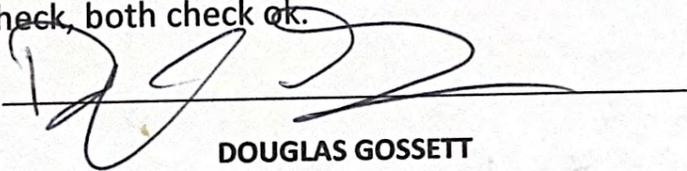
Total Time: 353.5

Complied with Van's Aircraft Service Letter 00052. Exhaust springs and clamps installed over both number one exhaust pipe slip joints in accordance with Van's Aircraft service letter 00052 instructions.



David D Smith A&P 1900871

**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
N608HG	VANS RV-12iS SERIAL: 12078 TTAF: 409.7		08/2/2022	
Removed old radiator due to leak and replaced with same part number new from Vans Aircraft. Performed ops and leak check, both check ok.				
				
DOUGLAS GOSSETT				
A&P2785453IA				

**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
N608HG	RV12-IS	Ser#: 12078	Total Time: 592.0	
<p>Accomplished Van's Aircraft Service Bulletin 00058 dated October 19, 2022. Replaced AV-60009 HIC module with a new AV60009-2 HIC Module, eliminating the Molex 8-pin connector. Updated Emergency operations for the POH to include, Fuel pumps will shut off following engine shutdown, Start Power must be reengaged by cycling the master switch. In an emergency, the Backup switch must be turned on to ensure power is provided to the EMS from the battery via the fuse box to the fuel pumps. New Emergency procedures are to be updated in the RV12-IS POH. AV60009-2 HIC Module functionally tested to ensure proper operation. Aircraft is returned to service.</p>				
<p><i>David D Smith</i> David D Smith A&amp;P 1900871</p>			<p>01-03-23</p>	

**Maintenance record:**

Date:	REG. #: N608HG		DATE: 7/17/2023
	TACH: 626.0	HOBBS: 630.4	TT: TSN 626.0
	<p><b>ENGINE</b></p> <p>Performed an ANNUAL inspection per Gwinnett Aero Maintenance LLC inspection form. Changed engine oil and filter. Installed a new AA825706 filter and serviced engine with @ 3 Ltrs of Aeroshell Sport Plus 4 oil. Cut open filter and inspected for contaminants, removed and inspected magnetic plug, no faults noted. Compression check cold 1)150 2)164 3)152 4)166- must be between 130-174 psi per MM. Removed all spark plugs and replaced with new DCPR8E plugs. Replaced all cabin heat scat hoses. Replaced LH flexible coolant hose at radiator. Replaced missing exhaust springs. Visually inspected and pressure checked exhaust and heat exchanger, checks OK. Removed and replaced forward engine mount with new WD-1220. Drained and flushed coolant system with distilled water. Filled with orange Prestone Dexcool 50/50 coolant. Checked and lubricated engine control cables. No engine AD's apply at this time. See AD compliance report with permanent aircraft records. Cleaned engine, Operational ground run and leak check, OK. "I certify this ENGINE has been inspected IAW an ANNUAL inspection and found to be in AIRWORTHY condition." ****END****</p>		
	<p>Mechanic <i>[Signature]</i> 2690552 DA</p> <p><b>Gwinnett Aero</b> MAINTENANCE LLC</p> <p>850 Airport Rd, Box 7 Lawrenceville Ga 30045 770-962-9092</p>		

**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
REG. #: N608HG	TYPE: Vans RV12IS		DATE: 4/12/2024	
TACH: 668.9	HOBBS: 674.0		TT:	
<p>ENGINE: Drained oil, took sample for analysis, removed filter and cut open for inspection- no issues noted. Replaced filter with new AA825706 filter and saftied, filled with 3 liters of Sport Plus 4 oil. Washed engine, ground ran, and checked for leaks. No leaks noted. *****END*****</p>				
		Mechanic: <i>Rob McDonald</i> A&P 4356713	850 Airport Road Lawrenceville, GA 30046 (770) 962-9092	









**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
4/2/25	843.7		<p>Replaced rubber hose PN: EAHOSE H151X52 on the back of the engine, from the bottom right side of the radiator.</p> <p>Replaced coolant and completed engine run-up. No leaks noted at this time. All work completed IAW VAN'S CONSTRUCTION DRAWNGS and MMH 75-00-00.</p> <p>Kevin Farris IRMT: 6743/ Airframe: 4663784, Nothing Follows.</p> <p> <i>Kevin Farris</i> 5032249 Atp</p>	<p> T 6743.</p>

Maintenance record:

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
4/16/25	850		<p>Complaint: Drawing too many battery amps with lights on. Tested the regulator and battery; regulator checked out fine, but battery was weak, so I recommended replacement. Reinstalled original regulator and battery. Inspected the fuses in Fusebox (Good). Inspected wiring from the Fusebox into the cabin (Good). R&amp;R panels inside the cabin on each side of the circuit fuse location, found and corrected bad connector. Removed Left side G3X and found another connector was separating, so repaired and reseated pins of both connectors. Problem seems corrected, reading proper amps and voltage with all lights in normal operation mode. Recommended additional test flight to confirm. All work completed IAW VANS POH, MM, and CONSTRUCTION DRAWINGS. Kevin Farris IRMT: 6743/ Airframe: 4663784, Nothing Follows.</p> <p><i>Kevin Farris</i> 5032249 ATP  <i>Erick Johnson</i></p>	

Maintenance record:

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
5/24/2025			<p style="text-align: right;">5/24/25</p> <p>TT: 887.3</p> <p>Changed oil used 2 ½ qrts of Aeroshell Sport Plus 4 replaced oil filter with a Rotax PN: 825016. Performed a "Hot" compression check, Cylinder 1: 78/80, Cylinder 2: 80/80, Cylinder 3: 79/80, Cylinder 4: 79/80. Checked and cleaned spark plugs. This Rotax 912IS has been found to be in good operational condition. All work completed in IAW Rotax 912IS LM/HM conditional inspection check list and 14 CFR Part 4. Appendix D.</p> <p><i>E. J. [Signature]</i> 5032249 AHP</p>	

Maintenance record:

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
			6/12/2025 TT: 899.8	
			Adjusted ground adjustable propeller to gain a higher static RPM per customer request. Completed test run-up, this aircraft has been found to be in a safe condition for flight. All work completed IAW Rotax MM Chapter 11 and Sensenich Installation Manuel Chapter 6.	
			Work Completed by: (A) Kyle 3784 <i>[Signature]</i>	
			Inspected and returned to service by:	
			<i>Ericks Johnson</i> <i>[Signature]</i>	
			AIP 5032249	

**Maintenance record:**

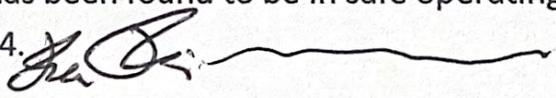
Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
			6/17/2025 TT: 903.6	
			Engine was getting a failed sensor reading on cylinder 2, found a bad EGT sensor PN: Rotax 866261 replaced with new sensor PN: Rotax 866261. Completed test runup no faults found; this aircraft has been found to be in a safe condition for flight. All work completed IAW Rotax 912IS HMM 74-00-00.	
			Work Completed by: (A) 4663784 <i>[Signature]</i>	
			Inspected and returned to service by: <i>[Signature]</i> AIP 5032249	

**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
			6/17/2025 TT: 904.6	
			Lane B had a solid fault ignition light. Checked all connections for anything loose, nothing found. Customer flew a couple laps in the pattern and was unable to reproduce the issue. Suspected lead fouling on #2 spark plug. This aircraft has been found to be in a safe condition for flight. All work completed IAW Rotax Operators Manuel Chapter 4.17.	
			Work Completed by: (A) 4663784 <i>JM Di</i>	
			Inspected and returned to service by: <i>[Signature]</i> A&P 5032249	

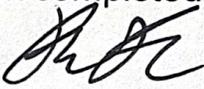


**Maintenance record:**

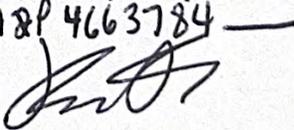
Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
			07/17/2025 TT: 949.1	
			The aircraft was having an issue with the Lane B light staying solid. Found that the fuse-box had a stripped terminal for the B regulator. Replaced fuse-box-package PN: 881321, replaced 2 coils PN: 665613, replaced ignition coil cable set PN: 665558. All parts are new and where replaced IAW Rotax MMH: 76-10-00, 74-00-00, 74-20-00. Completed run-up and test flight, this aircraft has been found to be in safe operating condition. A&P: 4663784.	
				



**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
			10/10/2025	
			TT: 986.7	
			Completed 1000-hour gearbox inspection, found the overload clutch to be out of spec. Removed and replaced the Clutch Drum PN: 958-912, Dog Hub PN: 958-926, and Disks Springs PN: 838-161. All parts used were new. Work completed IAW Rotax MMH 72-10-00. A&P: 4663784	
				

**Maintenance record:**

Date:	Engine hours:		Work performed:	Signature & Licence no.:
	TSN:	TSO:		
	Date: 12/13/2025 Aircraft TT: 1025.5			
	<b>Discrepancy:</b> Customer reported battery amperage dropping below minimum threshold per Rotax 912 POH.			
	<b>Corrective Action:</b> Performed troubleshooting of aircraft charging system. Found battery terminal bolts loose; installed lock washers and torqued battery terminal hardware to specification to prevent movement. Found one fuse partially dislodged; removed and reinstalled fuse, ensuring proper seating. Inspected engine and airframe electrical systems for security of grounds and electrical connections; secured loose connections as required. Found EGT sensor shorted; removed and replaced with new sensor (P/N 886261) in accordance with manufacturer's instructions. Performed engine ground run and monitored current draw using BUDS test set; charging system operation and amperage found to be within required limits. Battery tested weak; battery replacement recommended but not accomplished at this time. Completed test flight; no abnormalities noted. Charging system good at this time.			
	All work completed in accordance with Rotax 912 iS Maintenance Manual Heavy, Chapters 74-00-00, 24-20-00, and 24-30-00, and Van's RV-12 Maintenance Manual. A&P 4663784 — 			

**ROTAX**  
AIRCRAFT ENGINES



design: brp-eww.at

Engine serial no.

Type of aircraft

N 6084G

Aircraft registration no.

ROTAX® authorized distributor

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