

ENGINE INSPECTION REPORT

2023-12-08

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'Maverick'
50' Maverick Express 2021
HIN# MCR50001F021



PORT ENGINE DEFICIENCIES

Rust in engine block.



Both fuel gauges are cloudy from water intrusion.



Port engine hours are lower because the ECM has been replaced. A Volvo technician can adjust the hours to match the stbd if so desired.



STARBOARD ENGINE DEFICIENCIES

Rust on engine block.



PORT TRANSMISSION / DRIVE

Volvo Penta IPS-2C- s/n: 3950002340-4.3 Hours - Propellers are unknown size.



PORT TRANSMISSION / DRIVE DEFICIENCIES

Corrosion in drive midsection.



Prop speed worn.



ACP zinc worn.



STARBOARD TRANSMISSION / DRIVE

Starboard: Volvo Penta IPS-2C- s/n: 3950002339-31 Hours - Propellers are unknown size



STARBOARD TRANSMISSION / DRIVE DEFICIENCIES

Prop speed worn off propeller tips.



GENERATOR

Phasor 21KW- s/n: 08620 - 234 hours

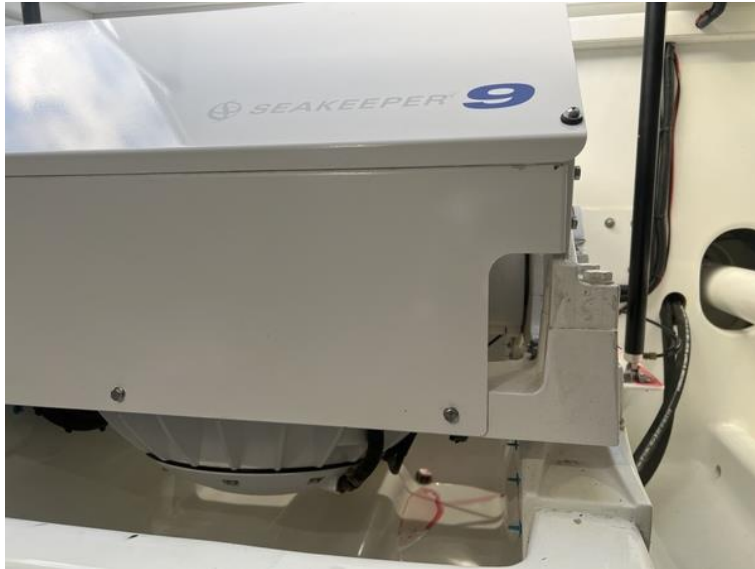


GENERATOR DEFICIENCIES

No deficiencies observed.

SEAKEEPER

Seakeeper 9 – s/n: 1506101397 - 24 run hours - 17 sea hours



SEAKEEPER DEFICIENCIES

No deficiencies observed.

ELECTRONIC CONTROLS / SERVICE HISTORY

Electronic controls are version: EVC-E2

Number of Stations: 1

The engines were delivered on 6/22/21.

The engines were never commissioned so there is no commissioning report attached.

EVC accessories installed are as follows: Joystick Docking, Trim Assist / Interceptor, Active Corrosion Protection

Extended warranties: no.

Volvo Penta warranties were never registered. There is no warranty report attached, but the claims reports are attached.

Recall or service campaigns: None.

The last engine service is as follows: Unknown

The last transmission service is as follows: 11/15/23

The last generator service is as follows: Unknown

An oil analysis is being performed on the engine, drive, and generator oils. An oil analysis report is attached along with instructions on reading it.

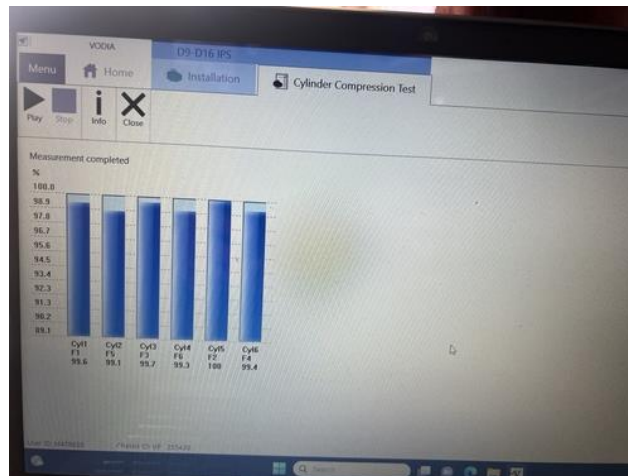
ENGINE TESTING

An electronic compression was performed on both engines. The results of the tests are included in the attached VODIA report. A visual representation of the numbers are as follows:

Port Compression Test:



Starboard Compression Test:



SEATRIAL

	<u>Port</u>	<u>Starboard</u>
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CRUISE SPEED -

RPM	2110	2110
Load	85 %	85 %
Temp	174 F	172 F
Boost	26 psi	28 psi
Volts	28.7	28.9
Oil Press	85 psi	83 psi
Gear Press	267 psi	276 psi
Gear Temp	F	F

Total Fuel Consumption: 50 GPH

WIDE OPEN - 38 MPH

RPM	2380	2390
Load	100%	100%
Temp	178 F	176 F
Boost	30 psi	31 psi
Volts	28.6	28.9
Oil Press	85 psi	84 psi
Gear Press	276 psi	281 psi
Gear Temp	F	F

Total Fuel Consumption: 62 GPH

Idle / Hot

Gear Press	202 psi	241 psi
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Items in **RED**:

Port gear oil pressure lower than specifications indicating minor wear.