

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3940022391 - STARBOARD IPS

Sample No: VPA059967

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA059967	---	---	---
Sample Date	15 Nov 2023	---	---	---
Machine Hours	329	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

### ALL SYSTEMS MARINE

700 MYRICK ST  
PENSACOLA, FL  
US 32505

Contact: TRISTAN JOHNSON  
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F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 104	---	---	---
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### CONTAMINATION

Water	%	▲ 0.358	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 43	---	---	---
Potassium	ppm	■ 1	---	---	---

### WEAR METALS

PQ		■ 15	---	---	---
Iron	ppm	● 441	---	---	---
Copper	ppm	■ 59	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	■ 8	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 30	---	---	---
Phosphorus	ppm	■ 1349	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 207	---	---	---

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP99220003

Unique No: 10762952

Signed: Jonathan Hester

Report Date: 30 Nov 2023

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## GRAPHS

