

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MOLDEN-550 NO 102 CUMMINS CUMMINS ZEUS (S/N NOT GIVEN) - STARBOARD GEARBOX

Sample No: VPA059846

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA059846	---	---	---
Sample Date	13 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### Outstanding Marine

PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net  
T:  
F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 149	---	---	---
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### CONTAMINATION

Water	%	▲ 0.712	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---

### WEAR METALS

PQ		■ 54	---	---	---
Iron	ppm	▲ 187	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	26	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	11	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	3	---	---	---
Phosphorus	ppm	163	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	1	---	---	---

### 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. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The iron level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP153685  
Unique No: 10764281  
Signed: Angela Borella  
Report Date: 01 Dec 2023

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## GRAPHS

