

# OIL ANALYSIS REPORT

# VOLVO PENTA

## A1371149 - PORT COMPRESSOR

Sample No: VPA056550

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA056550	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

### Monmouth Marine Engines Inc

536 UNION LN

BRIELLE, NJ

US 08730-1421

Contact: Laura Clarkin

monmouthmarine@gmail.com

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### OIL CONDITION

Visc @ 40°C	cSt	■ 102	---	---	---
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### CONTAMINATION

Silicon	ppm	● 132	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 5	---	---	---

### WEAR METALS

PQ		▲ 214	---	---	---
Iron	ppm	▲ 88	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	47	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	4	---	---	---
Phosphorus	ppm	677	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. PQ levels are abnormal. Iron ppm levels are abnormal. The high ferrous density (PQ) index indicates that abnormal wear is occurring. Elemental level of silicon (Si) above normal. Viscosity of sample indicates oil is within ISO 100 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP153457

Unique No: 10619841

Signed: Angela Borella

Report Date: 30 Aug 2023

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## GRAPHS

