

# OIL ANALYSIS REPORT

# VOLVO PENTA

## A1371151 (S/N A1371149) - STARBOARD COMPRESSOR

Sample No: VPA050854

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA050854	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	▲ 88.9	---	---	---
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### CONTAMINATION

Silicon	ppm	● 129	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 5	---	---	---

### WEAR METALS

PQ		▲ 81	---	---	---
Iron	ppm	■ 32	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	8	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	684	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

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T:  
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### 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. The high ferrous density (PQ) index indicates that abnormal wear is occurring. High silicon level indicates possible contamination with silicone-based oil or silicone-based fitting compound/grease. Advise investigate any possible cross-contamination with silicone-based oil, or any points that are sealed/greased with silicone-based compound/grease. 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:** 10619842  
**Signed:** Angela Borella  
**Report Date:** 30 Aug 2023

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## GRAPHS

