

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GREG SITRIN KOHLER 2093292 - GENSET

Sample No: VPA059317

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA059317	VPA029422	---	---
Sample Date	20 Nov 2023	10 Feb 2022	---	---
Machine Hours	556	466	---	---
Oil Hours	90	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**CHICAGO YACHT WORKS**  
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### OIL CONDITION

Visc @ 100°C	cSt	11.8	█ 14.36	---	---
Base Number (BN)	mg KOH/g	█ 8.1	█ 9.8	---	---
Oxidation (PA)	%	42	63	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	43	44	---	---
Sulfation (PA)	%	42	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 0.5	<1.0	---	---
Silicon	ppm	█ 7	█ 7	---	---
Sodium	ppm	█ 1	█ <1	---	---
Potassium	ppm	█ <1	█ <1	---	---

### WEAR METALS

Iron	ppm	█ 27	█ 6	---	---
Copper	ppm	█ 2	█ 1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 5	█ 4	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	57	117	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	2065	1360	---	---
Magnesium	ppm	45	587	---	---
Zinc	ppm	983	855	---	---
Phosphorus	ppm	757	780	---	---
Barium	ppm	0	0	---	---
Boron	ppm	188	404	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP1080862  
Unique No: 10755176  
Signed: Jonathan Hester  
Report Date: 29 Nov 2023

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**VOLVO  
PENTA**

## GRAPHS

