

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CUMMINS A190488561 - GENSET

Sample No: VPA049552

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA049552	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	243	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	9.1	---	---	---
Oxidation (PA)	%	59	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	81	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1416	---	---	---
Magnesium	ppm	621	---	---	---
Zinc	ppm	850	---	---	---
Phosphorus	ppm	690	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	296	---	---	---

### MARINE DIESEL SERVICES INC

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### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 suitable for further service.

Depot: VP288530  
Unique No: 10671633  
Signed: Sean Felton  
Report Date: 02 Oct 2023

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## GRAPHS

