

# OIL ANALYSIS REPORT

# VOLVO PENTA

**ERIK MAYOL 6246 VOLVO PENTA D6-370D-C 2006033939 - PORT DIESEL ENGINE**

**Sample No:** VPA045878

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA045878	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	492	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.89	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	56	---	---	---

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 1	---	---	---

## WEAR METALS

Iron	ppm	▲ 92	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	● 172	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 53	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1062	---	---	---
Magnesium	ppm	█ 847	---	---	---
Zinc	ppm	█ 1084	---	---	---
Phosphorus	ppm	█ 924	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 33	---	---	---

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## Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Aluminum ppm levels are severe. Iron ppm levels are marginal. 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:** VP759009  
**Unique No:** 10605175  
**Signed:** Doug Bogart  
**Report Date:** 15 Aug 2023

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## GRAPHS

