

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 2016168871 - INDUSTRIAL - GENSET

Sample No: VPA051211

Oil Type: AMSOIL AM 3034 5W40

### SAMPLE INFORMATION

Sample Number	VPA051211	---	---	---
Sample Date	16 Dec 2023	---	---	---
Machine Hours	1	---	---	---
Oil Hours	1	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 15.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	48	---	---	---

### Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	49	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 44	---	---	---
Sodium	ppm	▲ 39	---	---	---
Potassium	ppm	▲ 113	---	---	---

### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	13	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	787	---	---	---
Magnesium	ppm	450	---	---	---
Zinc	ppm	1061	---	---	---
Phosphorus	ppm	496	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	35	---	---	---

Depot: VP303046  
Unique No: 10796386  
Signed: Jonathan Hester  
Report Date: 22 Dec 2023

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## GRAPHS

