

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DAVID BOVEE SAM KOHLER 2091237 - GENSET**

**Sample No:** VPA055092

**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA055092	VPA044857	---	---
Sample Date	05 Feb 2024	21 Dec 2022	---	---
Machine Hours	1346	1248	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 10.8	---	---
Oxidation (PA)	%	64	68	---	---

## 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 acceptable for the time in service.

## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	53	59	---	---
Sulfation (PA)	%	53	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 4	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 2	█ 2	---	---

## WEAR METALS

Iron	ppm	█ 6	█ 3	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 89	57	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	0	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 1551	1182	---	---
Magnesium	ppm	1505	883	---	---
Zinc	ppm	1915	1239	---	---
Phosphorus	ppm	1534	1041	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 11	9	---	---

**Depot:** VP794951  
**Unique No:** 10872632  
**Signed:** Don Baldrige  
**Report Date:** 12 Feb 2024

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## GRAPHS

