

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DOUG TAYLOR KOHLER KOHLER - DOUG TAYLOR (S/N NOT GIVEN) - GENSET**

**Sample No:** VPA045715

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

## SAMPLE INFORMATION

Sample Number	VPA045715	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	358	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

## FDDA TAMPA

TAMPA, FL  
US  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	8.8	---	---	---
Oxidation (PA)	%	64	---	---	---

## CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 88	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1161	---	---	---
Magnesium	ppm	█ 882	---	---	---
Zinc	ppm	█ 1198	---	---	---
Phosphorus	ppm	█ 937	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 19	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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:** VP208641  
**Unique No:** 10605773  
**Signed:** Don Baldrige  
**Report Date:** 17 Aug 2023

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## GRAPHS

