

# OIL ANALYSIS REPORT

# VOLVO PENTA

**15194 KOHLER 2021298 - GENSET**

**Sample No:** VPA060960

**Oil Type:** DIESEL ENGINE OIL SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA060960	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	1050	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	▲ 9.7	---	---	---
Base Number (BN)	mg KOH/g	■ 9.5	---	---	---
Oxidation (PA)	%	47	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.8	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 42	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 1214	---	---	---
Magnesium	ppm	■ 1101	---	---	---
Zinc	ppm	■ 1259	---	---	---
Phosphorus	ppm	■ 878	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 3	---	---	---

### W J Clark Inc

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F:

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VP151520  
**Unique No:** 10863249  
**Signed:** Jonathan Hester  
**Report Date:** 08 Feb 2024

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## GRAPHS

