

OIL ANALYSIS REPORT

VOLVO PENTA

VALA RAD KOHLER 2022076 - GENSET

Sample No: VPA062015

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA062015	---	---	---
Sample Date	06 May 2024	---	---	---
Machine Hours	15	---	---	---
Oil Hours	5	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 8.8	---	---	---
Base Number (BN)	mg KOH/g	8.1	---	---	---
Oxidation (PA)	%	35	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	43	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 12.5	---	---	---
Silicon	ppm	■ 32	---	---	---
Sodium	ppm	■ 19	---	---	---
Potassium	ppm	■ 4	---	---	---

WEAR METALS

Iron	ppm	■ 22	---	---	---
Copper	ppm	■ 34	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 1910	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	1181	---	---	---
Phosphorus	ppm	■ 970	---	---	---
Barium	ppm	■ 8	---	---	---
Boron	ppm	■ 9	---	---	---

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Diagnosis

We suspect abnormal metal contamination may be due to sampling method. We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP152133
Unique No: 11022478
Signed: Jonathan Hester
Report Date: 16 May 2024

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GRAPHS

