

OIL ANALYSIS REPORT

VOLVO PENTA

KOHLER 2180161 - GENSET

Sample No: VPA041688

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA041688	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	15.1	---	---	---
Base Number (BN)	mg KOH/g	9.1	---	---	---
Oxidation (PA)	%	60	---	---	---

CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 suitable for further service.

WEAR METALS

Iron	ppm	16	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	63	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1701	---	---	---
Magnesium	ppm	750	---	---	---
Zinc	ppm	1217	---	---	---
Phosphorus	ppm	996	---	---	---
Barium	ppm	12	---	---	---
Boron	ppm	57	---	---	---

Depot: VPJONMYA
Unique No: 10695905
Signed: Doug Bogart
Report Date: 17 Oct 2023

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GRAPHS

