

OIL ANALYSIS REPORT

VOLVO PENTA

NOT GIVEN VPA06193701 (S/N NO SIF/NO INFO ON BOTTLE) - GENSET

Sample No: VPA06193701

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA06193701	---	---	---
Sample Date	20 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

Power Products Systems LLC

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WAKEFIELD, MA

US 01880

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F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.0	---	---	---
Base Number (BN)	mg KOH/g	8.5	---	---	---
Oxidation (PA)	%	69	---	---	---

Diagnosis

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. All component wear rates are normal. There is a high amount of fuel present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 8.2	---	---	---
Silicon	ppm	▲ 75	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 6	---	---	---

WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	12	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1605	---	---	---
Magnesium	ppm	223	---	---	---
Zinc	ppm	962	---	---	---
Phosphorus	ppm	865	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	162	---	---	---

Depot: VP153550

Unique No: 11050453

Signed: Jonathan Hester

Report Date: 31 May 2024

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GRAPHS

