

OIL ANALYSIS REPORT

VOLVO PENTA

STEVE COMSTOCK AR 502320 KOHLER 0778769 - GENSET

Sample No: VPA048507

Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA048507	---	---	---
Sample Date	22 Aug 2023	---	---	---
Machine Hours	52	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 9.3	---	---	---
Base Number (BN)	mg KOH/g	■ 7.6	---	---	---
Oxidation (PA)	%	■ 38	---	---	---

Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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.

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 61	---	---	---
Sulfation (PA)	%	■ 51	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 4.4	---	---	---
Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

Iron	ppm	■ 36	---	---	---
Copper	ppm	■ 29	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 9	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 13	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 2179	---	---	---
Magnesium	ppm	■ 23	---	---	---
Zinc	ppm	■ 1261	---	---	---
Phosphorus	ppm	■ 970	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

Depot: VP794951
Unique No: 10619883
Signed: Jonathan Hester
Report Date: 29 Aug 2023

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GRAPHS

