

OIL ANALYSIS REPORT

VOLVO PENTA

- GENSET

Sample No: VPA036420

Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA036420	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	23	---	---	---
Oil Hours	23	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	█ 31	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 48	---	---	---
Sulfation (PA)	%	█ 38	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	▲ 418	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1323	---	---	---
Magnesium	ppm	█ 1064	---	---	---
Zinc	ppm	█ 1163	---	---	---
Phosphorus	ppm	█ 981	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 78	---	---	---

Quality Boats of Clearwater

235 Windward Passage, 235 Windward Passage
CLEARWATER, FL

US 33767

Contact: Parker Rabe

danbair@qualityboatsales.com

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP155345

Unique No: 11042519

Signed: Jonathan Hester

Report Date: 23 May 2024

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GRAPHS

