

OIL ANALYSIS REPORT

VOLVO PENTA

SEA CAT III ONAN 13KW E100123361 - CENTER GENSET

Sample No: VPA057267

Oil Type: TOTAL 15W40

SAMPLE INFORMATION

Sample Number	VPA057267	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	1959	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.73	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	53	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 0	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	52	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	989	---	---	---
Magnesium	ppm	869	---	---	---
Zinc	ppm	1193	---	---	---
Phosphorus	ppm	1005	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	9	---	---	---

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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 acceptable for the time in service.

Depot: VP288530

Unique No: 10887536

Signed: Doug Bogart

Report Date: 20 Feb 2024

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GRAPHS

