

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ONAN D170169994 - GENSET

Sample No: VPA057415

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA057415	---	---	---
Sample Date	19 Mar 2024	---	---	---
Machine Hours	914	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Sun Power Diesel & Marine

833 NE 3Rd Ave
DANIA BEACH, FL
US 33004

Contact: SCOTT
scott@sunpowermarine.com
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	9.1	---	---	---
Oxidation (PA)	%	68	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1284	---	---	---
Magnesium	ppm	764	---	---	---
Zinc	ppm	892	---	---	---
Phosphorus	ppm	692	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	50	---	---	---

Depot: VP154386
Unique No: 10939496
Signed: Sean Felton
Report Date: 25 Mar 2024

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GRAPHS

