

# OIL ANALYSIS REPORT

# VOLVO PENTA

## BRUCE DYER KOHLER SGM32LFWC - PORT GENSET

Sample No: VPA047492

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA047492	VPA037603	---	---
Sample Date	06 Dec 2023	18 Aug 2021	---	---
Machine Hours	1447	815	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	█ 14.8	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	56	57	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	45	53	---	---
Sulfation (PA)	%	50	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 4	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 1	█ 6	---	---

### WEAR METALS

Iron	ppm	█ 3	█ 12	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 0	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 45	█ 7	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1278	█ 2157	---	---
Magnesium	ppm	█ 556	█ 96	---	---
Zinc	ppm	█ 1092	█ 1117	---	---
Phosphorus	ppm	█ 942	█ 955	---	---
Barium	ppm	█ 3	█ 0	---	---
Boron	ppm	█ 41	█ 328	---	---

### COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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T:

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### Diagnosis

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 suitable for further service.

Depot: VP568144

Unique No: 10778821

Signed: Doug Bogart

Report Date: 11 Dec 2023

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## GRAPHS

