

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**WILLIAM HARTSELL 44853 ONAN D210915565 - GENSET**

**Sample No:** VPA054120

**Oil Type:** SHELL 15W40

## SAMPLE INFORMATION

Sample Number	VPA054120	---	---	---
Sample Date	07 May 2024	---	---	---
Machine Hours	403	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	9.4	---	---	---
Oxidation (PA)	%	62	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---

## WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1238	---	---	---
Magnesium	ppm	█ 873	---	---	---
Zinc	ppm	█ 1167	---	---	---
Phosphorus	ppm	█ 1036	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 9	---	---	---

### COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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:** 11022870

**Signed:** Sean Felton

**Report Date:** 14 May 2024

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## GRAPHS

