

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JIM WHITE 42828 NORTHERN LIGHTS 7732-60432 - GENSET**

**Sample No:** VPA055626

**Oil Type:** DIESEL ENGINE OIL SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA055626	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	81	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	▲ 9.8	---	---	---
Base Number (BN)	mg KOH/g	■ 8.0	---	---	---
Oxidation (PA)	%	24	---	---	---

## CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	37	---	---	---
Sulfation (PA)	%	37	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.4	---	---	---
Silicon	ppm	■ 28	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 5	---	---	---

## WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 65	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	■ 1815	---	---	---
Magnesium	ppm	■ 131	---	---	---
Zinc	ppm	■ 1074	---	---	---
Phosphorus	ppm	■ 840	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 0	---	---	---

### COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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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. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VP568144

**Unique No:** 10576305

**Signed:** Jonathan Hester

**Report Date:** 31 Jul 2023

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PENTA**

## GRAPHS

