

# OIL ANALYSIS REPORT

# VOLVO PENTA

**CHRIS HUGHES GREG E. VOLVO PENTA A710606 - STARBOARD DIESEL ENGINE**

**Sample No:** VPA036830

**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA036830	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	423	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Galati Yacht Sales LLC

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	56	---	---	---

## CONTAMINATION

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

## 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 acceptable for the time in service.

## WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1160	---	---	---
Magnesium	ppm	1022	---	---	---
Zinc	ppm	█ 1315	---	---	---
Phosphorus	ppm	█ 1071	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ < 1	---	---	---

**Depot:** VP648685

**Unique No:** 10619878

**Signed:** Sean Felton

**Report Date:** 28 Aug 2023

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## GRAPHS

