

# OIL ANALYSIS REPORT

# VOLVO PENTA

**BEOWULF 3897 1/120/3044 IE084850 - STARBOARD GASOLINE ENGINE**

**Sample No:** VPA054368

**Oil Type:** QUICKSILVER 25W40

## SAMPLE INFORMATION

Sample Number	VPA054368	---	---	---
Sample Date	04 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	90	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	▲ 7.1	---	---	---
Base Number (BN)	mg KOH/g	■ 12.1	---	---	---
Oxidation (PA)	%	15	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	12	---	---	---
Sulfation (PA)	%	9	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 9.2	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	40	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	1724	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	764	---	---	---
Phosphorus	ppm	658	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	131	---	---	---

### The Talaria Company

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### Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

**Depot:** VP592286

**Unique No:** 10830422

**Signed:** Jonathan Hester

**Report Date:** 17 Jan 2024

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## GRAPHS

