

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GAMES AFLOAT 3B134536 - CENTER GASOLINE ENGINE

**Sample No:** VPA052497  
**Oil Type:** QUICKSILVER 25W40

### SAMPLE INFORMATION

Sample Number	VPA052497	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	61	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	▲ 7.3	---	---	---
Base Number (BN)	mg KOH/g	■ 7.6	---	---	---
Oxidation (PA)	%	19	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	13	---	---	---
Sulfation (PA)	%	14	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 10.0	---	---	---
Silicon	ppm	▲ 46	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 7	---	---	---

### WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 16	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	39	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1637	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	697	---	---	---
Phosphorus	ppm	602	---	---	---
Barium	ppm	16	---	---	---
Boron	ppm	100	---	---	---

#### The Talaria Company

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#### Diagnosis

We advise that you check the fuel injection system. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. 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. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high amount of fuel present in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity.

**Depot:** VP592286  
**Unique No:** 10884408  
**Signed:** Doug Bogart  
**Report Date:** 22 Feb 2024

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## GRAPHS

