

# OIL ANALYSIS REPORT

# VOLVO PENTA

## STEVE HUNTER 502240 VOLVO PENTA 4012164261 - STARBOARD GASOLINE ENGINE

Sample No: VPA055649

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA055649	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	1272	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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service@coastalmarineengine.com  
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### OIL CONDITION

Visc @ 100°C	cSt	▲ 6.7	---	---	---
Base Number (BN)	mg KOH/g	■ 8.1	---	---	---
Oxidation (PA)	%	10	---	---	---

### CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	10	---	---	---
Sulfation (PA)	%	9	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 4.0	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 4	---	---	---

### WEAR METALS

Iron	ppm	■ 110	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 5	---	---	---
Aluminum	ppm	■ 10	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	2453	---	---	---
Magnesium	ppm	7	---	---	---
Zinc	ppm	■ 1149	---	---	---
Phosphorus	ppm	■ 1030	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 29	---	---	---

### 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 moderate 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: VP794951  
Unique No: 10607012  
Signed: Jonathan Hester  
Report Date: 21 Aug 2023

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## GRAPHS

