

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 7011457621 - PORT DIESEL ENGINE

Sample No: VPA055577

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA055577	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	392	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### Harry's Marine Service LLC

1141 N. Citrus St.

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US 92887

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F:

### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.35	---	---	---
Base Number (BN)	mg KOH/g	■ 8.1	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

### CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 48	---	---	---
Sulfation (PA)	%	■ 52	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	◆ 8.8	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 16	---	---	---
Potassium	ppm	■ 3	---	---	---

### WEAR METALS

Iron	ppm	■ 8	---	---	---
Copper	ppm	■ 29	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 47	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1279	---	---	---
Magnesium	ppm	■ 571	---	---	---
Zinc	ppm	■ 1064	---	---	---
Phosphorus	ppm	■ 909	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 19	---	---	---

### Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. 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 oil is no longer serviceable due to the presence of contaminants.

Depot: VP867279

Unique No: 10537674

Signed: Doug Bogart

Report Date: 29 Jun 2023

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## GRAPHS

