

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JAY HENDRIX 533073 VOLVO PENTA 7011440519 - PORT DIESEL ENGINE**

**Sample No:** VPA042616

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA042616	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	874	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### Jas Marine Service Inc.

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LAKE PARK, FL  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 9.0	---	---	---
Oxidation (PA)	%	74	---	---	---

## Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

## CONTAMINATION

Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 6.2	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

## WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 41	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 38	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 1566	---	---	---
Magnesium	ppm	■ 529	---	---	---
Zinc	ppm	■ 870	---	---	---
Phosphorus	ppm	723	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 32	---	---	---

**Depot:** VP152963  
**Unique No:** 10631757  
**Signed:** Doug Bogart  
**Report Date:** 06 Sep 2023

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## GRAPHS

