

# OIL ANALYSIS REPORT

# VOLVO PENTA

## STEVE CORAN VOLVO PENTA 3194008018 - PORT IPS

**Sample No:** VPA042010  
**Oil Type:** VALVOLINE 75W90

### SAMPLE INFORMATION

Sample Number	VPA042010	VPA047980	---	---
Sample Date	02 Aug 2023	15 Jul 2023	---	---
Machine Hours	650	640	---	---
Oil Hours	10	60	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	NORMAL	---	---

### OIL CONDITION

Visc @ 40°C	cSt	99.8	■ 98.4	---	---
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### CONTAMINATION

Water	%	▲ 0.227	---	---	---
Silicon	ppm	20	8	---	---
Sodium	ppm	■ 9	■ 8	---	---
Potassium	ppm	■ <1	■ <1	---	---

### WEAR METALS

PQ		■ 26	■ 9	---	---
Iron	ppm	● 400	■ 180	---	---
Copper	ppm	■ 21	20	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	■ 23	16	---	---
Chromium	ppm	■ 2	■ 1	---	---
Molybdenum	ppm	■ <1	3	---	---
Nickel	ppm	■ 2	■ 1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	4	2	---	---
Vanadium	ppm	<1	<1	---	---

### ADDITIVES

Calcium	ppm	11	45	---	---
Magnesium	ppm	■ 2	4	---	---
Zinc	ppm	■ 27	51	---	---
Phosphorus	ppm	■ 1455	1441	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 297	393	---	---

### MARINE EVOLUTIONS

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### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a light concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** vp446360  
**Unique No:** 10589802  
**Signed:** Jonathan Hester  
**Report Date:** 09 Aug 2023

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## GRAPHS

