

# OIL ANALYSIS REPORT

**TODD GREEN VOLVO PENTA 20132294944 - PORT DIESEL ENGINE**

**Sample No:** VPA044645  
**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA044645	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	70	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

**FDDA - FORT MYERS**  
 1326 SE 17TH STE 460  
 FORT MYER, FL  
 US  
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 T:  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 111	---	---	---
Oxidation (PA)	%	94	---	---	---

## CONTAMINATION

Water	%	● 10.5	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	298	---	---	---
Sulfation (PA)	%	0	---	---	---
Glycol	%	● 0.10	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	■ 23	---	---	---
Sodium	ppm	▲ 1296	---	---	---
Potassium	ppm	▲ 78	---	---	---

## Diagnosis

We advise that you check for the source of the coolant leak. 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. Sodium and/or potassium levels are high. Test for glycol is positive. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

## WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ 22	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 6	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	< 1	---	---	---

## ADDITIVES

Calcium	ppm	986	---	---	---
Magnesium	ppm	1103	---	---	---
Zinc	ppm	■ 1248	---	---	---
Phosphorus	ppm	■ 1052	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 18	---	---	---

**Depot:** VP1088679  
**Unique No:** 10836644  
**Signed:** Doug Bogart  
**Report Date:** 24 Jan 2024

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# VOLVO PENTA

## GRAPHS

