

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JIM HODDINOTT TAP560960 VOLVO PENTA 20132114284 - PORT DIESEL ENGINE**

**Sample No:** VPA053500

**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA053500	---	---	---
Sample Date	05 Jun 2024	---	---	---
Machine Hours	321	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## FDDA TAMPA

TAMPA, FL  
US  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	55	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 11	---	---	---

## WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1095	---	---	---
Magnesium	ppm	978	---	---	---
Zinc	ppm	█ 1276	---	---	---
Phosphorus	ppm	█ 1010	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** VP208641  
**Unique No:** 11074699  
**Signed:** Sean Felton  
**Report Date:** 14 Jun 2024

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## GRAPHS

