

# OIL ANALYSIS REPORT

# VOLVO PENTA

**METELICO R103008984 VOLVO PENTA 7005366469 - VARIABLE SPEED - DIESEL ENGINE**

**Sample No:** VPA046537

**Oil Type:** VOLVO

## SAMPLE INFORMATION

Sample Number	VPA046537	---	---	---
Sample Date	17 Jan 2024	---	---	---
Machine Hours	446	---	---	---
Oil Hours	446	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### WESTERN BRANCH - VP530168

1616 METRIC AVE SW

CANTON, OH

US 44706

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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	59	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The wear metal levels do not reflect the reported failure. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.8	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---

## WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 69	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1427	---	---	---
Magnesium	ppm	█ 680	---	---	---
Zinc	ppm	█ 1280	---	---	---
Phosphorus	ppm	█ 1059	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 12	---	---	---

**Depot:** VP410898

**Unique No:** 10836651

**Signed:** Doug Bogart

**Report Date:** 24 Jan 2024

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## GRAPHS

