

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**BRIAN MAGISTRO WESTERBEKE 114379-D9H - GENSET**

**Sample No:** VPA034296

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA034296	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	6.4	---	---	---
Oxidation (PA)	%	75	---	---	---

## CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 9	---	---	---

## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	2238	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	1237	---	---	---
Phosphorus	ppm	949	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	212	---	---	---

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### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP543511  
**Unique No:** 10615378  
**Signed:** Doug Bogart  
**Report Date:** 22 Aug 2023

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## GRAPHS

