

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MATIC MATIC WESTERBEKE 189913-HK - GENSET**

**Sample No:** VPA058293

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA058293	---	---	---
Sample Date	03 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**Harry's Marine Service LLC**

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.65	---	---	---
Oxidation (PA)	%	59	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 0	---	---	---

## 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.

## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	105	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	< 1	---	---	---

## ADDITIVES

Calcium	ppm	1302	---	---	---
Magnesium	ppm	680	---	---	---
Zinc	ppm	911	---	---	---
Phosphorus	ppm	776	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	300	---	---	---

**Depot:** VP867279

**Unique No:** 10911408

**Signed:** Doug Bogart

**Report Date:** 04 Mar 2024

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## GRAPHS

