

# OIL ANALYSIS REPORT

# VOLVO PENTA

**ALLOS 354002 ONAN H160989002 - GENSET**

**Sample No:** VPA052264

**Oil Type:** SHELL ROTELLA T4 15W40

## SAMPLE INFORMATION

Sample Number	VPA052264	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	479	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	66	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 8	---	---	---

## WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1821	---	---	---
Magnesium	ppm	23	---	---	---
Zinc	ppm	█ 1015	---	---	---
Phosphorus	ppm	█ 884	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 192	---	---	---

### Skipper Marine of Ohio, LLC

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Contact: D LAKE

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T:

F:

### Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP494046

**Unique No:** 10889474

**Signed:** Sean Felton

**Report Date:** 23 Feb 2024

Contact/Location: D LAKE - VP494046

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## GRAPHS

