

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JACK EDSON 68624 ONAN H190620346 - GENSET**

**Sample No:** VPA037898

**Oil Type:** VOLVO VDS-4.5 Premium Motor Oil 15W40

## SAMPLE INFORMATION

Sample Number	VPA037898	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	206	---	---	---
Oil Hours	206	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Maritime Fabrications Inc

920 W Pearle Jensen Way, 920 W. Pearle Jensen Way  
LACONNER, WA  
US 98257  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	71	---	---	---

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

## 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 suitable for further service.

## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 79	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1746	---	---	---
Magnesium	ppm	█ 694	---	---	---
Zinc	ppm	█ 1035	---	---	---
Phosphorus	ppm	█ 824	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	277	---	---	---

**Depot:** VP153319  
**Unique No:** 10668479  
**Signed:** Jonathan Hester  
**Report Date:** 28 Sep 2023

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## GRAPHS

