

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DAVID PUGH 69379 VOLVO PENTA A725 129 - CENTER DIESEL ENGINE**

**Sample No:** VPA055305

**Oil Type:** VOLVO PENTA SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA055305	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	531	---	---	---
Oil Hours	47	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	62	---	---	---

## CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 107	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1441	---	---	---
Magnesium	ppm	█ 726	---	---	---
Zinc	ppm	831	---	---	---
Phosphorus	ppm	653	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	322	---	---	---

### Maritime Fabrications Inc

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### 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.

**Depot:** VP153319

**Unique No:** 10729706

**Signed:** Jonathan Hester

**Report Date:** 09 Nov 2023

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## GRAPHS

