

# OIL ANALYSIS REPORT

# VOLVO PENTA

**NW MARITIME 7717835 VOLVO PENTA NW MARITIME (S/N NOT GIVEN) - PORT DIESEL ENGINE**

**Sample No:** VPA050654

**Oil Type:** NOT GIVEN

## SAMPLE INFORMATION

Sample Number	VPA050654	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	1283	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**Pacific Power Group - VP981534**

7215 S 228th St

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## OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	46	---	---	---

## 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.

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 38	---	---	---

## WEAR METALS

Iron	ppm	█ 57	---	---	---
Copper	ppm	█ 44	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 17	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1216	---	---	---
Magnesium	ppm	█ 883	---	---	---
Zinc	ppm	█ 1212	---	---	---
Phosphorus	ppm	█ 970	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

**Depot:** VP99031103

**Unique No:** 10777230

**Signed:** Angela Borella

**Report Date:** 08 Dec 2023

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## GRAPHS

