

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MARTIN GILMORE 6618 VOLVO PENTA D3-220 A 1084657 - CENTER DIESEL ENGINE**

**Sample No:** VPA060754

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA060754	---	---	---
Sample Date	25 Apr 2024	---	---	---
Machine Hours	497	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Northwest Diesel Power**  
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BELLINGHAM, WA  
US 98225  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	53	---	---	---

## 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.

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

## WEAR METALS

Iron	ppm	█ 74	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	< 1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1396	---	---	---
Magnesium	ppm	█ 726	---	---	---
Zinc	ppm	█ 853	---	---	---
Phosphorus	ppm	798	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 199	---	---	---

**Depot:** VP759009  
**Unique No:** 11003390  
**Signed:** Sean Felton  
**Report Date:** 01 May 2024

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## GRAPHS

