

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DAVID LEPPAMAN 6528 VOLVO PENTA TAMD41D CE13T 2204147685 - DIESEL ENGINE**

**Sample No:** VPA051548

**Oil Type:** {unknown}

## SAMPLE INFORMATION

Sample Number	VPA051548	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	2127	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

**Northwest Diesel Power**  
1325 ROEDER AVE SUITE 103  
BELLINGHAM, WA  
US 98225  
Contact: BRANDON ROBERTSON  
parts@nwdieselpower.com  
T:  
F:

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 10.9	---	---	---
Oxidation (PA)	%	45	---	---	---

## CONTAMINATION

Water	%	▲ 0.234	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	46	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 44	---	---	---
Potassium	ppm	█ 10	---	---	---

## Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present 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	█ 56	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 19	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 9	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 1402	---	---	---
Magnesium	ppm	█ 843	---	---	---
Zinc	ppm	█ 1058	---	---	---
Phosphorus	ppm	█ 844	---	---	---
Barium	ppm	█ 13	---	---	---
Boron	ppm	█ 109	---	---	---

**Depot:** VP759009  
**Unique No:** 10873958  
**Signed:** Jonathan Hester  
**Report Date:** 14 Feb 2024

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## GRAPHS

