

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NADINE URUIOLI CELENTANO VOLVO PENTA 51039185294 - CENTER DIESEL ENGINE

Sample No: VPA059544

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA059544	VPA029658	---	---
Sample Date	07 Dec 2023	22 Jan 2021	---	---
Machine Hours	473	376	---	---
Oil Hours	473	53	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	56	55	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	46	41	---	---
Sulfation (PA)	%	55	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 2	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 3	█ <1	---	---

### WEAR METALS

Iron	ppm	█ 2	█ 4	---	---
Copper	ppm	█ 1	█ 4	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 63	█ 55	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1467	█ 1040	---	---
Magnesium	ppm	█ 807	█ 920	---	---
Zinc	ppm	█ 938	█ 1076	---	---
Phosphorus	ppm	█ 845	█ 1015	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 200	█ 3	---	---

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T: x:  
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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 acceptable for the time in service.

Depot: VP152741  
Unique No: 10790941  
Signed: Don Baldrige  
Report Date: 19 Dec 2023

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## GRAPHS

