

# OIL ANALYSIS REPORT

# VOLVO PENTA

**STEVE LABRIQUE KPT MARINA VOLVO PENTA 2006022458 - CENTER DIESEL ENGINE**

**Sample No:** VPA060579

**Oil Type:** SHELL ROTELLA T4 15W40

## SAMPLE INFORMATION

Sample Number	VPA060579	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	798	---	---	---
Oil Hours	51	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

**Power Products Systems LLC**  
432 Warren Avenue, 432 Warren Ave.  
PORTLAND, ME  
US 04103  
Contact: Victor Barr  
meservice@nedda.com  
T: (207)797-5950  
F:

## OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	67	---	---	---

## 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 228	---	---	---

## WEAR METALS

Iron	ppm	█ 55	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	85	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 24	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1385	---	---	---
Magnesium	ppm	█ 765	---	---	---
Zinc	ppm	█ 915	---	---	---
Phosphorus	ppm	█ 777	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 25	---	---	---

**Depot:** VP153549  
**Unique No:** 10777214  
**Signed:** Angela Borella  
**Report Date:** 08 Dec 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

