

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 1013222706 - 1 MAIN ENGINE

Sample No: VPA057209

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA057209	---	---	---
Sample Date	06 Apr 2024	---	---	---
Machine Hours	419	---	---	---
Oil Hours	419	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### WINDSERVE MARINE

10 MACNAUGHT ST  
NORTH KINGSTOWN, RI  
US 02852

Contact: Ryan Linn

RyanL@windservemarine.com

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### OIL CONDITION

Visc @ 100°C	cSt	12.4	---	---	---
Base Number (BN)	mg KOH/g	9.2	---	---	---
Oxidation (PA)	%	80	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	30	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	6	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

### WEAR METALS

Iron	ppm	16	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	46	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	1679	---	---	---
Magnesium	ppm	382	---	---	---
Zinc	ppm	1019	---	---	---
Phosphorus	ppm	888	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	52	---	---	---

Depot: VPSENNOR

Unique No: 10981634

Signed: Jonathan Hester

Report Date: 19 Apr 2024

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## GRAPHS

