

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CJ-614780 VOLVO PENTA A195417 - STARBOARD GASOLINE ENGINE

Sample No: VPA042273

Oil Type: VOLVO

### SAMPLE INFORMATION

Sample Number	VPA042273	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 10.7	---	---	---
Base Number (BN)	mg KOH/g	█ 27.1	---	---	---
Oxidation (PA)	%	13	---	---	---

### CONTAMINATION

Water	%	▲ 2.62	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	14	---	---	---
Sulfation (PA)	%	6	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

Iron	ppm	▲ 359	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	27	---	---	---
Magnesium	ppm	22	---	---	---
Zinc	ppm	186	---	---	---
Phosphorus	ppm	1280	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	110	---	---	---

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### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Cylinder, crank, or cam shaft wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP159751  
Unique No: 10992747  
Signed: Jonathan Hester  
Report Date: 25 Apr 2024

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## GRAPHS

