

# OIL ANALYSIS REPORT

# VOLVO PENTA

## JOHN WESTON VOLVO PENTA 3194001519 - PORT IPS

Sample No: VPA059504

Oil Type: VOLVO API GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA059504	VPA023921	---	---
Sample Date	07 May 2024	29 Dec 2020	---	---
Machine Hours	728	0	---	---
Oil Hours	0	30	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	SEVERE	NORMAL	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 110	█ 103	---	---
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### CONTAMINATION

Water	%	▲ 4.58	NEG	---	---
Silicon	ppm	█ 20	26	---	---
Sodium	ppm	● 368	█ 5	---	---
Potassium	ppm	█ 16	█ 0	---	---

### WEAR METALS

PQ		█ 17	█ 17	---	---
Iron	ppm	█ 172	█ 36	---	---
Copper	ppm	█ 11	7	---	---
Lead	ppm	█ 2	<1	---	---
Tin	ppm	█ 4	0	---	---
Aluminum	ppm	█ 7	2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ 1	█ 2	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	█ 1	<1	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	█ 0	0	---	---

### ADDITIVES

Calcium	ppm	█ 190	█ 7	---	---
Magnesium	ppm	█ 26	█ 1	---	---
Zinc	ppm	█ 74	█ 12	---	---
Phosphorus	ppm	█ 1586	█ 1287	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 277	█ 255	---	---

**Cogswell Marine & Motorsports, Inc**  
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### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. The high sodium (Na) level indicates the possible presence of salt water. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP152133  
Unique No: 11022343  
Signed: Sean Felton  
Report Date: 14 May 2024

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## GRAPHS

