

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3020293359 - STERNDRIVE - PORT GEARBOX

Sample No: VPA043345

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA043345	---	---	---
Sample Date	10 Mar 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**JOHNSTONS MARINE SERVICES**  
1850 NW 15th AVENUE, SUITE 205  
POMPANO BEACH, FL  
US 33069  
Contact: NEIL JOHNSTON  
neil@1jms.com  
T: (984)448-0813  
F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 121	---	---	---
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### CONTAMINATION

Water	%	▲ 0.880	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 61	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

PQ		█ 13	---	---	---
Iron	ppm	▲ 215	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 23	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 27	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	█ 31	---	---	---
Phosphorus	ppm	█ 1240	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 239	---	---	---

### 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. Resample at the next service interval to monitor. The aluminum level is abnormal. Gear 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: VPJOHDEE  
Unique No: 10375179  
Signed: Doug Bogart  
Report Date: 16 Mar 2023

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## GRAPHS

