

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ARMOR HARRIS SAM VOLVO PENTA 3100008568 STERNDRIVE - PORT GEARBOX

Sample No: VPA045927

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA045927	---	---	---
Sample Date	27 Jun 2023	---	---	---
Machine Hours	34	---	---	---
Oil Hours	34	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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US 98107  
Contact: WILLOW YANARELLA  
service@coastalmarineengine.com  
T: (206)784-3703  
F: (206)784-8823

### OIL CONDITION

Visc @ 40°C	cSt	■ 97.0	---	---	---
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### CONTAMINATION

Water	%	▲ 0.245	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 30	---	---	---
Potassium	ppm	■ 12	---	---	---

### WEAR METALS

PQ		■ 39	---	---	---
Iron	ppm	■ 114	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 9	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 23	---	---	---
Magnesium	ppm	■ 874	---	---	---
Zinc	ppm	■ 22	---	---	---
Phosphorus	ppm	■ 1749	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 304	---	---	---

### Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP794951  
Unique No: 10552275  
Signed: Doug Bogart  
Report Date: 23 Jul 2023

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## GRAPHS

