

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3100005311 - STERNDRIVE - PORT GEARBOX

Sample No: VPA046239

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA046239	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	90	---	---	---
Oil Hours	90	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**North Harbor Diesel Inc**  
720 30Th Street  
ANACORTES, WA  
US 98221  
Contact: ROBBIN MURDOCK  
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T: (360)299-1904  
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### OIL CONDITION

Visc @ 40°C	cSt	■ 91.5	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 16	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

PQ		■ 21	---	---	---
Iron	ppm	■ 97	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
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	■ 10	---	---	---
Magnesium	ppm	■ 967	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 1788	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 594	---	---	---

**Depot:** VP179089  
**Unique No:** 10563978  
**Signed:** Don Baldrige  
**Report Date:** 21 Jul 2023

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## GRAPHS

