

# OIL ANALYSIS REPORT

# VOLVO PENTA

**502228 VOLVO PENTA 3102204313 - STERNDRIVE - PORT GEARBOX**

**Sample No:** VPA059947

**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA059947	---	---	---
Sample Date	06 Feb 2024	---	---	---
Machine Hours	133	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### North Harbor Diesel Inc

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ANACORTES, WA  
US 98221  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 107	---	---	---
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## CONTAMINATION

Water	%	▲ 0.220	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 23	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

PQ		■ 28	---	---	---
Iron	ppm	▲ 206	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	▲ 17	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 7	---	---	---
Magnesium	ppm	■ 9	---	---	---
Zinc	ppm	■ 20	---	---	---
Phosphorus	ppm	■ 1219	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 259	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP179089  
**Unique No:** 10884072  
**Signed:** Jonathan Hester  
**Report Date:** 19 Feb 2024

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**VOLVO  
PENTA**

## GRAPHS

