

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JAEWOOK CHUNG DANIEL/502462 VOLVO PENTA 3194010802 - STARBOARD IPS**

**Sample No:** VPA059362

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

## SAMPLE INFORMATION

Sample Number	VPA059362	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	469	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**Endor Marine LLC - Coastal Marine - 152124**  
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US 98107  
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T: (206)784-3703  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 111	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

## 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		█ 14	---	---	---
Iron	ppm	█ 30	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ 0	---	---	---

## ADDITIVES

Calcium	ppm	█ 21	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 66	---	---	---
Phosphorus	ppm	█ 1275	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 284	---	---	---

**Depot:** VP794951  
**Unique No:** 10726643  
**Signed:** Don Baldrige  
**Report Date:** 06 Nov 2023

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## GRAPHS

