

# OIL ANALYSIS REPORT

# VOLVO PENTA

## PETER HUYSSING VOLVO PENTA 3200002448 - STARBOARD IPS

Sample No: VPA049556

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA049556	VPA043128	---	---
Sample Date	05 Sep 2023	29 Sep 2022	---	---
Machine Hours	138	90	---	---
Oil Hours	51	90	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Endor Marine LLC - Coastal Marine - 152124  
4300 11th Ave. NW  
SEATTLE, WA  
US 98107  
Contact: WILLOW YANARELLA  
service@coastalmarineengine.com  
T: (206)784-3703  
F: (206)784-8823

### OIL CONDITION

Visc @ 40°C	cSt	█ 103	124	---	---
-------------	-----	-------	-----	-----	-----

### CONTAMINATION

Silicon	ppm	█ 2	4	---	---
Sodium	ppm	█ 1	█ 4	---	---
Potassium	ppm	█ 4	█ 6	---	---

### 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	█ 12	---	---
Iron	ppm	█ 18	█ 31	---	---
Copper	ppm	█ 2	7	---	---
Lead	ppm	█ 0	0	---	---
Tin	ppm	█ 0	0	---	---
Aluminum	ppm	█ <1	<1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 0	█ 2	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	█ 0	<1	---	---

### ADDITIVES

Calcium	ppm	█ 21	█ 85	---	---
Magnesium	ppm	█ 105	█ 901	---	---
Zinc	ppm	█ 20	█ 1	---	---
Phosphorus	ppm	█ 1501	█ 1555	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 342	█ 589	---	---

Depot: VP794951  
Unique No: 10641988  
Signed: Don Baldrige  
Report Date: 12 Sep 2023

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

