

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CARTER PB50-39 VOLVO PENTA 3940022638 - PORT IPS

Sample No: VPA047232

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA047232	VPA05946744	VPA048457	---
Sample Date	26 Sep 2023	03 Sep 2023	22 Sep 2022	---
Machine Hours	707	706	525	---
Oil Hours	1	175	360	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	ATTENTION	---

### GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

Contact: ROBERT ANTONA

roberta@gbmarinegroup.com

T: (609)384-5290

F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 106	■ 103	■ 105	---
-------------	-----	-------	-------	-------	-----

### CONTAMINATION

Silicon	ppm	■ 6	■ 17	■ 13	---
Sodium	ppm	■ 0	■ 26	■ 10	---
Potassium	ppm	■ 1	■ 2	■ 1	---

### WEAR METALS

PQ		■ 14	■ 21	■ 5	---
Iron	ppm	■ 55	▲ 354	▲ 295	---
Copper	ppm	■ 6	■ 32	■ 24	---
Lead	ppm	■ 0	<1	<1	---
Tin	ppm	■ 0	<1	<1	---
Aluminum	ppm	■ 2	■ 6	■ 6	---
Chromium	ppm	■ <1	■ 2	■ 2	---
Molybdenum	ppm	■ <1	■ <1	■ <1	---
Nickel	ppm	■ <1	■ 3	■ 4	---
Titanium	ppm	■ 0	<1	0	---
Silver	ppm	■ 0	0	<1	---
Manganese	ppm	■ <1	■ 5	■ 7	---
Vanadium	ppm	■ 0	<1	0	---

### ADDITIVES

Calcium	ppm	■ 0	■ 11	■ 11	---
Magnesium	ppm	■ 0	■ 3	■ 15	---
Zinc	ppm	■ 2	■ 8	■ 24	---
Phosphorus	ppm	■ 1455	■ 1328	■ 1385	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 406	■ 276	■ 214	---

### 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.

Depot: VP531377

Unique No: 10672258

Signed: Sean Felton

Report Date: 02 Oct 2023

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

