

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CARTER PB50-39 VOLVO PENTA 3940022637 - STARBOARD IPS

Sample No: VPA047329

Oil Type: VOLVO API GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA047329	VPA048460	---	---
Sample Date	03 Sep 2023	22 Sep 2022	---	---
Machine Hours	705	525	---	---
Oil Hours	175	360	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 107	█ 105	---	---
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### CONTAMINATION

Silicon	ppm	█ 15	█ 16	---	---
Sodium	ppm	█ 15	█ 9	---	---
Potassium	ppm	█ 1	█ 2	---	---

### WEAR METALS

PQ		█ 19	█ 21	---	---
Iron	ppm	▲ 250	▲ 297	---	---
Copper	ppm	█ 25	█ 25	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	6	---	---
Chromium	ppm	█ 2	█ 3	---	---
Molybdenum	ppm	█ <1	█ 1	---	---
Nickel	ppm	█ 3	█ 4	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 4	█ 7	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 6	█ 10	---	---
Magnesium	ppm	█ 2	█ 13	---	---
Zinc	ppm	█ 3	█ 18	---	---
Phosphorus	ppm	█ 1335	█ 1354	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 274	█ 229	---	---

### GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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: 10642704

Signed: Jonathan Hester

Report Date: 13 Sep 2023

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**VOLVO  
PENTA**

## GRAPHS

