

# OIL ANALYSIS REPORT

# VOLVO PENTA

## BURTON VOLVO PENTA 3940020163 - PORT IPS

**Sample No:** VPA055790  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA055790	VPA041655	VPA033185	---
Sample Date	21 Jun 2023	20 Sep 2022	07 Oct 2021	---
Machine Hours	0	860	753	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 104	105	█ 110	---
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### CONTAMINATION

Silicon	ppm	█ 13	17	13	---
Sodium	ppm	█ 12	█ 9	█ 19	---
Potassium	ppm	█ 0	█ 0	█ <1	---

### WEAR METALS

PQ		█ 16	█ 21	█ 24	---
Iron	ppm	█ 112	█ 167	▲ 233	---
Copper	ppm	█ 10	█ 21	█ 16	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	3	6	---
Chromium	ppm	█ <1	█ 1	█ 2	---
Molybdenum	ppm	█ <1	█ 1	█ <1	---
Nickel	ppm	█ 1	█ <1	█ 1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	6	---
Manganese	ppm	█ 2	█ 4	█ 3	---
Vanadium	ppm	0	0	0	---

### ADDITIVES

Calcium	ppm	█ 15	█ 73	█ 27	---
Magnesium	ppm	█ 2	█ 4	█ 4	---
Zinc	ppm	█ 17	█ 26	█ 43	---
Phosphorus	ppm	█ 1496	█ 1284	█ 1315	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 303	█ 163	█ 287	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP705283  
**Unique No:** 10538954  
**Signed:** Don Baldrige  
**Report Date:** 05 Jul 2023

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## GRAPHS

