

# OIL ANALYSIS REPORT

# VOLVO PENTA

## YOVIENE VOLVO PENTA 3940016465 - PORT IPS

Sample No: VPA021925

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA021925	VPA020220	---	---
Sample Date	14 Nov 2023	01 Sep 2020	---	---
Machine Hours	1139	393	---	---
Oil Hours	100	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 106	█ 97.6	---	---
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### CONTAMINATION

Water	%	▲ 0.256	NEG	---	---
Silicon	ppm	█ 22	█ 17	---	---
Sodium	ppm	█ 21	█ 6	---	---
Potassium	ppm	█ 6	█ 1	---	---

### WEAR METALS

PQ		█ 20	█ 18	---	---
Iron	ppm	▲ 387	▲ 231	---	---
Copper	ppm	█ 31	█ 29	---	---
Lead	ppm	0	█ <1	---	---
Tin	ppm	0	█ 0	---	---
Aluminum	ppm	7	█ 3	---	---
Chromium	ppm	█ 3	2	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ 5	4	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 8	█ 5	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 11	█ 8	---	---
Magnesium	ppm	█ 18	█ 20	---	---
Zinc	ppm	█ 28	█ 12	---	---
Phosphorus	ppm	█ 1289	█ 1298	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 227	█ 290	---	---

### Outstanding Marine

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### Diagnosis

Oil and filter 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 a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP153685  
Unique No: 10750285  
Signed: Sean Felton  
Report Date: 21 Nov 2023

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## GRAPHS

