

# OIL ANALYSIS REPORT

# VOLVO PENTA

## YOVIENE VOLVO PENTA 3940016466 - STARBOARD IPS

**Sample No:** VPA058365  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA058365	VPA020291	---	---
Sample Date	16 Nov 2023	01 Sep 2020	---	---
Machine Hours	1145	393	---	---
Oil Hours	100	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

**Outstanding Marine**  
PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net  
T:  
F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 105	█ 98.2	---	---
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### CONTAMINATION

Water	%	█ 0.116	▲ 0.273	---	---
Silicon	ppm	█ 23	█ 21	---	---
Sodium	ppm	█ 47	█ 19	---	---
Potassium	ppm	█ 4	█ 2	---	---

### 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. 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.

### WEAR METALS

PQ		█ 22	█ 16	---	---
Iron	ppm	▲ 391	▲ 283	---	---
Copper	ppm	█ 25	█ 29	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	9	7	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 4	█ 5	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 4	█ 7	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 11	█ 12	---	---
Magnesium	ppm	█ 8	█ 15	---	---
Zinc	ppm	█ 24	█ 14	---	---
Phosphorus	ppm	█ 1308	█ 1334	---	---
Barium	ppm	█ <1	█ <1	---	---
Boron	ppm	█ 295	█ 319	---	---

**Depot:** VP153685  
**Unique No:** 10750286  
**Signed:** Sean Felton  
**Report Date:** 21 Nov 2023

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PENTA**

## GRAPHS

