

# OIL ANALYSIS REPORT

# VOLVO PENTA

## WOODWARD VOLVO PENTA 3200005253 - STARBOARD IPS

Sample No: VPA021948

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA021948	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	17	---	---	---
Oil Hours	17	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

### Outstanding Marine

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

### OIL CONDITION

Visc @ 40°C	cSt	■ 103.7	---	---	---
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### CONTAMINATION

Water	%	▲ 0.101	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 8	---	---	---

### WEAR METALS

PQ		■ 18	---	---	---
Iron	ppm	■ 25	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	37	---	---	---
Magnesium	ppm	1009	---	---	---
Zinc	ppm	22	---	---	---
Phosphorus	ppm	1905	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	665	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a trace of moisture present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP153685  
Unique No: 11033262  
Signed: Jonathan Hester  
Report Date: 16 May 2024

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## GRAPHS

