

# OIL ANALYSIS REPORT

# VOLVO PENTA

**MARTY INGHAM DANIEL/502778 VOLVO PENTA 3940015845 - STARBOARD IPS**

**Sample No:** VPA053115

**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA053115	VPA055436	---	---
Sample Date	27 Mar 2024	30 Mar 2023	---	---
Machine Hours	509	399	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	SEVERE	ABNORMAL	---	---

**Endor Marine LLC - Coastal Marine - 152124**  
4300 11th Ave. NW  
SEATTLE, WA  
US 98107  
Contact: WILLOW YANARELLA  
service@coastalmarineengine.com  
T: (206)784-3703  
F: (206)784-8823

## OIL CONDITION

Visc @ 40°C	cSt	█ 109	█ 108	---	---
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## CONTAMINATION

Water	%	▲ 1.01	NEG	---	---
Silicon	ppm	█ 18	█ 14	---	---
Sodium	ppm	█ 23	█ 37	---	---
Potassium	ppm	█ 4	█ 2	---	---

## WEAR METALS

PQ		█ 33	█ 16	---	---
Iron	ppm	▲ 284	▲ 304	---	---
Copper	ppm	█ 10	█ 12	---	---
Lead	ppm	█ 1	0	---	---
Tin	ppm	█ 1	0	---	---
Aluminum	ppm	█ 4	4	---	---
Chromium	ppm	█ 3	█ 2	---	---
Molybdenum	ppm	█ 2	<1	---	---
Nickel	ppm	█ 3	█ 2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 5	4	---	---
Vanadium	ppm	<1	0	---	---

## ADDITIVES

Calcium	ppm	█ 37	8	---	---
Magnesium	ppm	█ 9	8	---	---
Zinc	ppm	█ 30	44	---	---
Phosphorus	ppm	█ 1432	1328	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 304	309	---	---

## Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VP794951  
**Unique No:** 10954728  
**Signed:** Jonathan Hester  
**Report Date:** 04 Apr 2024

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## GRAPHS

