

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JOHN MORRIS VOLVO PENTA 3940018382 - STARBOARD IPS**

**Sample No:** VPA055700

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

## SAMPLE INFORMATION

Sample Number	VPA055700	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	586	---	---	---
Oil Hours	118	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

## FERRY POINT MARINA

1606 MARINA DR  
TRAPPE, MD  
US 21673  
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F:

## OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	18	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

PQ		█ 15	---	---	---
Iron	ppm	▲ 265	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	7	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 5	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 40	---	---	---
Phosphorus	ppm	█ 1391	---	---	---
Barium	ppm	█ 25	---	---	---
Boron	ppm	█ 255	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VPFERTRA  
**Unique No:** 10898619  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024

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## GRAPHS

