

# OIL ANALYSIS REPORT

# VOLVO PENTA

**KEN BEST AK 502568 VOLVO PENTA 4112067470 - STERNDRIVE - GEARBOX**

**Sample No:** VPA059369

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

## SAMPLE INFORMATION

Sample Number	VPA059369	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	221	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

**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	■ 121	---	---	---
-------------	-----	-------	-----	-----	-----

## CONTAMINATION

Water	%	● 1.81	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

PQ		■ 48	---	---	---
Iron	ppm	● 2304	---	---	---
Copper	ppm	■ 17	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 13	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	■ 15	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 15	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 12	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 47	---	---	---
Phosphorus	ppm	■ 1027	---	---	---
Barium	ppm	■ 7	---	---	---
Boron	ppm	■ 119	---	---	---

## 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. 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:** 10820270  
**Signed:** Jonathan Hester  
**Report Date:** 10 Jan 2024

# OIL ANALYSIS REPORT

## GRAPHS

