

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## ZF 50037568 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA060388

**Oil Type:** SHELL ROTELLA T 30

### SAMPLE INFORMATION

Sample Number	VPA060388	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	161	---	---	---
Oil Hours	161	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 126	---	---	---
-------------	-----	-------	-----	-----	-----

### CONTAMINATION

Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 1	---	---	---

### WEAR METALS

PQ		█ 17	---	---	---
Iron	ppm	█ 30	---	---	---
Copper	ppm	█ 49	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 4378	---	---	---
Magnesium	ppm	█ 30	---	---	---
Zinc	ppm	█ 1042	---	---	---
Phosphorus	ppm	█ 856	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 8	---	---	---

### SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103  
PLANTATION, FL  
US 33325  
Contact: ANDRES GARMENDIA  
smartdieselservice@gmail.com  
T: (954)258-8100  
F:

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VPSMAPLA  
**Unique No:** 10708533  
**Signed:** Angela Borella  
**Report Date:** 24 Oct 2023

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRAPHS

