

# OIL ANALYSIS REPORT

**MARK GUILMAIN TAP551928 ZF 20380817 - INBOARD - PORT GEARBOX**

**Sample No:** VPA045623  
**Oil Type:** DIESEL ENGINE OIL SAE 30

## SAMPLE INFORMATION

Sample Number	<b>VPA045623</b>	VPA040588	VPA037357	---
Sample Date	<b>09 Apr 2024</b>	05 Jun 2023	04 Apr 2022	---
Machine Hours	<b>520</b>	360	163	---
Oil Hours	<b>520</b>	360	163	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

## FDDA TAMPA

TAMPA, FL  
 US  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>73.8</b>	63.0	83.0	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>5</b>	10	40	---
Sodium	ppm	<b>0</b>	2	5	---
Potassium	ppm	<b>1</b>	0	0	---

## Diagnosis

No corrective action is recommended at this time. 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.

## WEAR METALS

PQ		<b>21</b>	15	22	---
Iron	ppm	<b>17</b>	16	22	---
Copper	ppm	<b>40</b>	89	131	---
Lead	ppm	<b>0</b>	<1	4	---
Tin	ppm	<b>4</b>	1	3	---
Aluminum	ppm	<b>3</b>	<1	3	---
Chromium	ppm	<b>1</b>	0	<1	---
Molybdenum	ppm	<b>45</b>	36	2	---
Nickel	ppm	<b>1</b>	0	<1	---
Titanium	ppm	<b>1</b>	1	<1	---
Silver	ppm	<b>&lt;1</b>	0	<1	---
Manganese	ppm	<b>2</b>	<1	<1	---
Vanadium	ppm	<b>1</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>924</b>	1107	2991	---
Magnesium	ppm	<b>757</b>	570	24	---
Zinc	ppm	<b>650</b>	737	1160	---
Phosphorus	ppm	<b>640</b>	652	1100	---
Barium	ppm	<b>4</b>	0	0	---
Boron	ppm	<b>214</b>	134	12	---

**Depot:** VP208641  
**Unique No:** 10980772  
**Signed:** Sean Felton  
**Report Date:** 18 Apr 2024

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# VOLVO PENTA

## GRAPHS

