

# OIL ANALYSIS REPORT

# VOLVO PENTA

**DON KAFKA TAP535484 ZF ZF ZF400 - INBOARD (S/N NOT GIVEN) - STARBOARD GEARBOX**

**Sample No:** VPA045621

**Oil Type:** VOLVO 30W

## SAMPLE INFORMATION

Sample Number	VPA045621	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	194	---	---	---
Oil Hours	194	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## FDDA TAMPA

TAMPA, FL  
US  
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F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 66.5	---	---	---
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## CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 0	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---

## 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.

## WEAR METALS

PQ		■ 19	---	---	---
Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 96	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 8	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

## ADDITIVES

Calcium	ppm	■ 1183	---	---	---
Magnesium	ppm	■ 946	---	---	---
Zinc	ppm	■ 1203	---	---	---
Phosphorus	ppm	■ 1095	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 29	---	---	---

**Depot:** VP208641  
**Unique No:** 10863720  
**Signed:** Don Baldrige  
**Report Date:** 08 Feb 2024

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## GRAPHS

