

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**NADINE URCIUOLI DAN CHERRY VOLVO PENTA VOLVO PENTA DPS-A 1.78 - STERNDRIVE (S/N NOT GIVEN) - CENTER GEARBOX**

**Sample No:** VPA051965

**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	VPA051965	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	412	---	---	---
Oil Hours	412	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Helmut's Marine Service

619 Canal Street

SAN RAFAEL, CA

US 94901-3545

Contact: NADINE URCIUOLI

SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

## OIL CONDITION

Visc @ 40°C	cSt	█ 105	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 7	---	---	---
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		█ 23	---	---	---
Iron	ppm	█ 37	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

## ADDITIVES

Calcium	ppm	█ 11	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 31	---	---	---
Phosphorus	ppm	█ 1343	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 326	---	---	---

**Depot:** VP152741

**Unique No:** 10768640

**Signed:** Don Baldrige

**Report Date:** 06 Dec 2023

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## GRAPHS

