

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**NADINE URUIOLI DICK ROBINSON VOLVO PENTA 51220350983 - INBOARD - CENTER GEARBOX**

**Sample No:** VPA051575

**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102

## SAMPLE INFORMATION

Sample Number	VPA051575	---	---	---
Sample Date	20 May 2024	---	---	---
Machine Hours	148	---	---	---
Oil Hours	148	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	█ 26.7	---	---	---
-------------	-----	--------	-----	-----	-----

## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

PQ		█ 35	---	---	---
Iron	ppm	█ 47	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 234	---	---	---
Magnesium	ppm	█ 27	---	---	---
Zinc	ppm	█ 43	---	---	---
Phosphorus	ppm	█ 166	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 100	---	---	---

**Helmut's Marine Service**  
619 Canal Street  
SAN RAFAEL, CA  
US 94901-3545  
Contact: NADINE URUIOLI  
SERVICE@HELMUTSMARINE.COM  
T: x:  
F: x:

## 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:** VP152741  
**Unique No:** 11057831  
**Signed:** Don Baldrige  
**Report Date:** 03 Jun 2024

# OIL ANALYSIS REPORT



## GRAPHS

