

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NADINE URCIUOLI HARVEY VOLVO PENTA 2013833447 - INBOARD - PORT GEARBOX

**Sample No:** VPA050786  
**Oil Type:** VOLVO 30 SAE

### SAMPLE INFORMATION

Sample Number	VPA050786	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	1192	---	---	---
Oil Hours	1192	---	---	---
Oil Changed	Not Changd	---	---	---
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	■ 87.0	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

### 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	■ 12	---	---	---
Copper	ppm	■ 17	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 121	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 2750	---	---	---
Magnesium	ppm	■ 51	---	---	---
Zinc	ppm	■ 1223	---	---	---
Phosphorus	ppm	■ 1104	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

**Depot:** VP152741  
**Unique No:** 10536391  
**Signed:** Don Baldrige  
**Report Date:** 02 Jul 2023

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## GRAPHS

