

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NADINE URCIUOLI FRED PLOGER VOLVO PENTA 3102277188 - CENTER GEARBOX

Sample No: VPA053027

Oil Type: VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA053027	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	1156	---	---	---
Oil Hours	1156	---	---	---
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	█ 161	---	---	---
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### CONTAMINATION

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

### 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		█ 20	---	---	---
Iron	ppm	█ 6	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 41	---	---	---
Magnesium	ppm	851	---	---	---
Zinc	ppm	█ 18	---	---	---
Phosphorus	ppm	█ 1469	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 453	---	---	---

Depot: VP152741

Unique No: 11016363

Signed: Jonathan Hester

Report Date: 08 May 2024

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## GRAPHS

