

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

**NADINE URCIUOLI SCOTT LINGEN VOLVO PENTA 3950006634 - STARBOARD IPS**

**Sample No:** VPA052156

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

## SAMPLE INFORMATION

Sample Number	VPA052156	---	---	---
Sample Date	29 Apr 2024	---	---	---
Machine Hours	238	---	---	---
Oil Hours	238	---	---	---
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	■ 104	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	■ <1	---	---	---
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		■ 21	---	---	---
Iron	ppm	■ 27	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 6	---	---	---
Magnesium	ppm	28	---	---	---
Zinc	ppm	■ 2	---	---	---
Phosphorus	ppm	■ 1384	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 337	---	---	---

**Depot:** VP152741

**Unique No:** 11018951

**Signed:** Don Baldrige

**Report Date:** 11 May 2024

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## GRAPHS

