

# OIL ANALYSIS REPORT

# VOLVO PENTA

**JAMES ALLEN JAMES ALLEN VOLVO PENTA 3940027668 - PORT IPS**

**Sample No:** VPA060373  
**Oil Type:** GEAR OIL LS 80W90

## SAMPLE INFORMATION

Sample Number	VPA060373	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	242	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**Harry's Marine Service LLC**  
1141 N. Citrus St.  
Orange, CA  
US 92887  
Contact: TARAH AULD  
info@harrismarine.com  
T: (714)771-7899  
F:

## OIL CONDITION

Visc @ 40°C	cSt	█ 111.2	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 6	---	---	---

## WEAR METALS

PQ		█ 25	---	---	---
Iron	ppm	█ 41	---	---	---
Copper	ppm	8	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	0	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	1440	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 293	---	---	---

## Diagnosis

No corrective action is recommended at this time. 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:** VP867279  
**Unique No:** 10790206  
**Signed:** Doug Bogart  
**Report Date:** 15 Dec 2023

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## GRAPHS

