

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 3940025560 - STARBOARD IPS

Sample No: VPA062232

Oil Type: GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA062232	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	251	---	---	---
Oil Hours	90	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**North Harbor Diesel Inc**  
720 30Th Street  
ANACORTES, WA  
US 98221  
Contact: ED MCFARLIN  
ed@northharbordiesel.com  
T:  
F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 106	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	12	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

PQ		█ 16	---	---	---
Iron	ppm	█ 19	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 8	---	---	---
Phosphorus	ppm	█ 1317	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 327	---	---	---

### 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:** VP179089  
**Unique No:** 11049285  
**Signed:** Don Baldrige  
**Report Date:** 30 May 2024

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## GRAPHS

