

# OIL ANALYSIS REPORT

# VOLVO PENTA

## JOURNEY VOLVO PENTA 3200001510 - STARBOARD IPS

Sample No: VPA054994

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA054994	VPA048067	---	---
Sample Date	09 May 2024	09 Nov 2022	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

#### Harry's Marine Service LLC

1141 N. Citrus St.

Orange, CA

US 92887

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F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 113.7	█ 105	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<1	2	---	---
Sodium	ppm	█ 3	█ 5	---	---
Potassium	ppm	█ 4	█ 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	█ 11	---	---
Iron	ppm	█ 173	█ 41	---	---
Copper	ppm	2	5	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	4	1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	8	2	---	---
Magnesium	ppm	10	12	---	---
Zinc	ppm	64	5	---	---
Phosphorus	ppm	247	1325	---	---
Barium	ppm	0	2	---	---
Boron	ppm	2	307	---	---

Depot: VP867279

Unique No: 11022085

Signed: Doug Bogart

Report Date: 10 May 2024

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## GRAPHS

