

# OIL ANALYSIS REPORT

# VOLVO PENTA

## GRANT GRANT VOLVO PENTA GRANT - STARBOARD IPS

Sample No: VPA058298

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA058298	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	0	---	---	---
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

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T: (714)771-7899

F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 103.2	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 4	---	---	---

### 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.

### WEAR METALS

PQ		■ 18	---	---	---
Iron	ppm	■ 32	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	13	---	---	---
Magnesium	ppm	220	---	---	---
Zinc	ppm	6	---	---	---
Phosphorus	ppm	1444	---	---	---
Barium	ppm	10	---	---	---
Boron	ppm	387	---	---	---

Depot: VP867279

Unique No: 10817240

Signed: Doug Bogart

Report Date: 04 Jan 2024

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## GRAPHS

