

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## SLEEPING BEAR YANMAR 00632 - STARBOARD GEAR UNIT

Sample No: VPA039168

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA039168	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	1142	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	103	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

PQ		█ 26	---	---	---
Iron	ppm	█ 44	---	---	---
Copper	ppm	▲ 294	---	---	---
Lead	ppm	▲ 21	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	56	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1454	---	---	---
Magnesium	ppm	490	---	---	---
Zinc	ppm	918	---	---	---
Phosphorus	ppm	793	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	5	---	---	---

#### Pratt Diesel Ltd.

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#### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Copper and lead ppm levels are abnormal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP662525  
Unique No: 5785028  
Signed: Kevin Marson  
Report Date: 15 May 2024

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## GRAPHS

