

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SLEEPING BEAR YANMAR 00682 - PORT GEAR UNIT

Sample No: VPA039166

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA039166	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	1141	---	---	---
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	■ 22	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 20	---	---	---
Iron	ppm	■ 35	---	---	---
Copper	ppm	▲ 271	---	---	---
Lead	ppm	▲ 22	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminium	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	52	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1324	---	---	---
Magnesium	ppm	571	---	---	---
Zinc	ppm	908	---	---	---
Phosphorus	ppm	779	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	8	---	---	---

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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: 5785027
Signed: Kevin Marson
Report Date: 15 May 2024

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GRAPHS

