

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## CUMMINS 30101922 - INBOARD - STARBOARD GEARBOX

**Sample No:** VPA057409

**Oil Type:** {unknown}

### SAMPLE INFORMATION

Sample Number	VPA057409	---	---	---
Sample Date	15 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 35.3	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 27	---	---	---
Potassium	ppm	■ 7	---	---	---

### WEAR METALS

PQ		■ 47	---	---	---
Iron	ppm	● 137	---	---	---
Copper	ppm	▲ 720	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminium	ppm	■ 5	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	66	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	3258	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	1044	---	---	---
Phosphorus	ppm	971	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	287	---	---	---

### Sun Power Diesel & Marine

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### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is severe. Clutch disc wear or oil cooler leaching indicated. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VP154386  
**Unique No:** 10936874  
**Signed:** Jonathan Hester  
**Report Date:** 21 Mar 2024

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## GRAPHS

