

OIL ANALYSIS REPORT

VOLVO PENTA

CUMMINS 30101922 - INBOARD - STARBOARD GEARBOX

Sample No: VPA057412

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA057412	VPA057409	---	---
Sample Date	18 Mar 2024	15 Mar 2024	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	SEVERE	---	---

Sun Power Diesel & Marine

833 NE 3Rd Ave
DANIA BEACH, FL
US 33004

Contact: SCOTT
scott@sunpowermarine.com
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OIL CONDITION

Visc @ 40°C	cSt	■ 42.7	■ 35.3	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 4	■ 8	---	---
Sodium	ppm	■ 3	■ 27	---	---
Potassium	ppm	■ 5	■ 7	---	---

WEAR METALS

PQ		■ 20	■ 47	---	---
Iron	ppm	■ 14	● 137	---	---
Copper	ppm	▲ 455	▲ 720	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 2	■ 3	---	---
Aluminum	ppm	■ 2	■ 5	---	---
Chromium	ppm	■ <1	■ 1	---	---
Molybdenum	ppm	47	66	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	2407	3258	---	---
Magnesium	ppm	11	17	---	---
Zinc	ppm	805	1044	---	---
Phosphorus	ppm	714	971	---	---
Barium	ppm	1	4	---	---
Boron	ppm	221	287	---	---

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. 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: 10936879
Signed: Jonathan Hester
Report Date: 21 Mar 2024

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GRAPHS

