

OIL ANALYSIS REPORT

VOLVO PENTA

CUMMINS 20410437 - INBOARD - PORT GEARBOX

Sample No: VPA057382

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA057382	VPA057414	---	---
Sample Date	16 Mar 2024	15 Mar 2024	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	ABNORMAL	---	---

Sun Power Diesel & Marine

833 NE 3Rd Ave
DANIA BEACH, FL
US 33004

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OIL CONDITION

Visc @ 40°C	cSt	■ 41.3	■ 34.8	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 4	■ 8	---	---
Sodium	ppm	■ 1	■ 2	---	---
Potassium	ppm	■ 5	■ 6	---	---

WEAR METALS

PQ		■ 18	■ 101	---	---
Iron	ppm	■ 27	▲ 233	---	---
Copper	ppm	▲ 464	▲ 240	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ 3	■ 2	---	---
Aluminum	ppm	■ 2	■ 6	---	---
Chromium	ppm	■ <1	■ 3	---	---
Molybdenum	ppm	49	51	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	2414	2407	---	---
Magnesium	ppm	11	11	---	---
Zinc	ppm	806	798	---	---
Phosphorus	ppm	699	705	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	222	215	---	---

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: 10936877
Signed: Jonathan Hester
Report Date: 21 Mar 2024

OIL ANALYSIS REPORT



GRAPHS

