

OIL ANALYSIS REPORT

**VOLVO
PENTA**

CUMMINS 20410437 - INBOARD - PORT GEARBOX

Sample No: VPA057414

Oil Type: {unknown}

SAMPLE INFORMATION

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

Sun Power Diesel & Marine

833 NE 3Rd Ave
DANIA BEACH, FL
US 33004

Contact: SCOTT
scott@sunpowermarine.com
T: (954)237-2200
F: (954)237-2222

OIL CONDITION

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

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

Calcium	ppm	2407	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	798	---	---	---
Phosphorus	ppm	705	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	215	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. 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: 10936876
Signed: Jonathan Hester
Report Date: 21 Mar 2024

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

