

# OIL ANALYSIS REPORT

# VOLVO PENTA

**COLIN MADDEN MARTIN 501957 ZF 20404326 - INBOARD - PORT GEARBOX**

**Sample No:** VPA045929

**Oil Type:** CHEVRON DELO 400 SAE 30

## SAMPLE INFORMATION

Sample Number	VPA045929	---	---	---
Sample Date	26 Jun 2023	---	---	---
Machine Hours	200	---	---	---
Oil Hours	38	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

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T: (206)784-3703  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 88.4	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

PQ		■ 90	---	---	---
Iron	ppm	■ 99	---	---	---
Copper	ppm	▲ 268	---	---	---
Lead	ppm	■ 5	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 46	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 3561	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 1152	---	---	---
Phosphorus	ppm	■ 1037	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 511	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. 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:** VP794951  
**Unique No:** 10537420  
**Signed:** Jonathan Hester  
**Report Date:** 03 Jul 2023

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PENTA**

## GRAPHS

