

OIL ANALYSIS REPORT

VOLVO PENTA

TNR08250A999 507672 ZF 20065831 - INBOARD - PORT GEARBOX

Sample No: VPA058657

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA058657	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	900	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 90.2	---	---	---
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CONTAMINATION

Water	%	▲ 0.233	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 36	---	---	---
Iron	ppm	■ 99	---	---	---
Copper	ppm	● 738	---	---	---
Lead	ppm	■ 15	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	● 273	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 82	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 2552	---	---	---
Magnesium	ppm	■ 40	---	---	---
Zinc	ppm	■ 1063	---	---	---
Phosphorus	ppm	■ 1070	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 5	---	---	---

Marine Maintenance Of

7803 McElvey Rd
PANAMA CITY BEACH, FL
US 32408

Contact: Jody Kennedy
jody@marinemaint.com

T:
F:

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The aluminum level is severe. The copper level is severe. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP313024
Unique No: 10762957
Signed: Jonathan Hester
Report Date: 30 Nov 2023

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GRAPHS

