

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ALAN HART TOM ZF 20365789 - INBOARD - PORT GEARBOX

Sample No: VPA049593

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA049593	---	---	---
Sample Date	26 Sep 2023	---	---	---
Machine Hours	696	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	78.1	---	---	---
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CONTAMINATION

Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

PQ		█ 72	---	---	---
Iron	ppm	█ 63	---	---	---
Copper	ppm	▲ 422	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2933	---	---	---
Magnesium	ppm	█ 77	---	---	---
Zinc	ppm	█ 1074	---	---	---
Phosphorus	ppm	█ 966	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 305	---	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

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T:

F:

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. 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: VP151529

Unique No: 10669662

Signed: Jonathan Hester

Report Date: 29 Sep 2023

OIL ANALYSIS REPORT

GRAPHS

