

OIL ANALYSIS REPORT

VOLVO PENTA

ZF 20100641 - STARBOARD GEARBOX

Sample No: VPA056907

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA056907	---	---	---
Sample Date	11 Apr 2023	---	---	---
Machine Hours	2540	---	---	---
Oil Hours	340	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Aqua Yacht Harbor Marina
3832 Hwy. 25 North, 3832 Hwy. 25 North
IUKA, MS
US 38852
Contact: DENNIS KANIZAI
dkanizai@shmarinas.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 112	---	---	---
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CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 14	---	---	---
Iron	ppm	■ 8	---	---	---
Copper	ppm	■ 220	---	---	---
Lead	ppm	■ 58	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 23	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 1585	---	---	---
Magnesium	ppm	■ 157	---	---	---
Zinc	ppm	■ 618	---	---	---
Phosphorus	ppm	■ 531	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 183	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy. All component wear rates are normal for OEM. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP299833
Unique No: 10425872
Signed: Doug Bogart
Report Date: 22 Sep 2023

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GRAPHS

