

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## BLACKSTONE VOLVO PENTA A1052431 STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA049869

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA049869	---	---	---
Sample Date	22 Oct 2023	---	---	---
Machine Hours	175	---	---	---
Oil Hours	60	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	MARGINAL	---	---	---

### Outstanding Marine

PO Box 274  
GALENA, MD  
US 21635  
Contact: Ronda Bolinger  
rlwb@verizon.net  
T:  
F:

### OIL CONDITION

Visc @ 40°C	cSt	■ 103.7	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 1	---	---	---

### WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	▲ 170	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 26	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	17	---	---	---
Magnesium	ppm	21	---	---	---
Zinc	ppm	51	---	---	---
Phosphorus	ppm	1681	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	387	---	---	---

### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. 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: VP153685  
Unique No: 10709738  
Signed: Doug Bogart  
Report Date: 23 Oct 2023

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## GRAPHS

