

OIL ANALYSIS REPORT

**VOLVO
PENTA**

BALZEREI VOLVO PENTA 3940018698 - STARBOARD IPS

Sample No: VPA049844
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049844	---	---	---
Sample Date	05 Nov 2023	---	---	---
Machine Hours	405	---	---	---
Oil Hours	50	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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

OIL CONDITION

Visc @ 40°C	cSt	█ 108.2	---	---	---
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CONTAMINATION

Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

PQ		█ 23	---	---	---
Iron	ppm	█ 158	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 0	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 61	---	---	---
Phosphorus	ppm	█ 922	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 36	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. 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: 10727888
Signed: Doug Bogart
Report Date: 06 Nov 2023

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GRAPHS

