

# OIL ANALYSIS REPORT

# VOLVO PENTA

## TROTLA-460 NO 3 VOLVO PENTA 3940022693 - STARBOARD IPS

**Sample No:** VPA059528  
**Oil Type:** GEAR OIL LS 80W90

### SAMPLE INFORMATION

Sample Number	VPA059528	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	200	---	---	---
Oil Hours	0	---	---	---
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	█ 117	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

### WEAR METALS

PQ		█ 18	---	---	---
Iron	ppm	█ 49	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	8	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	1300	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 319	---	---	---

### Diagnosis

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:** 10764273  
**Signed:** Angela Borella  
**Report Date:** 01 Dec 2023

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PENTA**

## GRAPHS

