

# OIL ANALYSIS REPORT

# VOLVO PENTA

## FRAMPTON VOLVO PENTA 3200002283 - STARBOARD IPS

Sample No: VPA057372

Oil Type: VOLVO API GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA057372	---	---	---
Sample Date	05 Jun 2024	---	---	---
Machine Hours	498	---	---	---
Oil Hours	300	---	---	---
Oil Changed	Changed	---	---	---
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	█ 100	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

PQ		█ 34	---	---	---
Iron	ppm	█ 191	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 11	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 11	---	---	---
Phosphorus	ppm	█ 1628	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 331	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. 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: 11071100  
Signed: Angela Borella  
Report Date: 12 Jun 2024

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## GRAPHS

