

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MCMICHAEL 590-112 CUMMINS OM981020 - ZEUS - GEARBOX

Sample No: VPA057003

Oil Type: NOT GIVEN

### SAMPLE INFORMATION

Sample Number	VPA057003	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	71	---	---	---
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	█ 149	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

### 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.

### WEAR METALS

PQ		█ 25	---	---	---
Iron	ppm	█ 136	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	33	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	40	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	8	---	---	---
Phosphorus	ppm	241	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	5	---	---	---

Depot: VP153685  
Unique No: 10816490  
Signed: Angela Borella  
Report Date: 04 Jan 2024

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## GRAPHS

