

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ZF 20235427 - ZEUS DRIVE - STARBOARD GEARBOX

Sample No: VPA052730

Oil Type: GEAR OIL ISO 150

### SAMPLE INFORMATION

Sample Number	VPA052730	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### ALL SYSTEMS MARINE

3910 WEST NAVY BLVD

PENSACOLA, FL

US 32507

Contact: TRISTAN JOHNSON

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T: (228)218-7963

F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 144	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

PQ		█ 39	---	---	---
Iron	ppm	█ 75	---	---	---
Copper	ppm	█ 54	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 27	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 59	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 37	---	---	---
Phosphorus	ppm	█ 208	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	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 fluid. The condition of the fluid is acceptable for the time in service.

Depot: VP99220003

Unique No: 11103027

Signed: Don Baldrige

Report Date: 02 Jul 2024

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## GRAPHS

