

# OIL ANALYSIS REPORT

# VOLVO PENTA

## BISCOE 560-105 CUMMINS OM973218 - ZUES - PORT GEARBOX

Sample No: VPA021359

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA021359	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	740	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### Outstanding Marine

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

### OIL CONDITION

Visc @ 40°C	cSt	■ 162	---	---	---
-------------	-----	-------	-----	-----	-----

### CONTAMINATION

Water	%	● 2.89	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 1	---	---	---

### WEAR METALS

PQ		■ 25	---	---	---
Iron	ppm	▲ 266	---	---	---
Copper	ppm	■ 19	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminium	ppm	■ <1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 35	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ <1	---	---	---

### ADDITIVES

Calcium	ppm	■ 0	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 42	---	---	---
Phosphorus	ppm	■ 247	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP153685  
Unique No: 10816473  
Signed: Doug Bogart  
Report Date: 04 Jan 2024

# OIL ANALYSIS REPORT

## GRAPHS

