

# OIL ANALYSIS REPORT

# VOLVO PENTA

## TOWN OF PORT MCNEILL FREIGHTLINER 1FVACYDJ35HU64085 - REAR DIFFERENTIAL

**Sample No:** VPA050693  
**Oil Type:** GEAR OIL SAE 80W90

### SAMPLE INFORMATION

Sample Number	VPA050693	---	---	---
Sample Date	12 Mar 2024	---	---	---
Machine Hours	16193	---	---	---
Oil Hours	16193	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

**Progressive Diesel**  
2135 Milne Rd  
PORT MCNEIL, BC  
CA V0N 2R0  
Contact: CHRIS SHARPE  
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T: (250)956-2700  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 137	---	---	---
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### CONTAMINATION

Water	%	▲ 2.822	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

PQ		█ 5	---	---	---
Iron	ppm	█ 137	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 12	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 29	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 106	---	---	---
Phosphorus	ppm	█ 900	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 133	---	---	---

### 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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. All component wear rates are normal. There is a high concentration of water present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VP153880  
**Unique No:** 5748666  
**Signed:** Kevin Marson  
**Report Date:** 21 Mar 2024

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## GRAPHS

