

# OIL ANALYSIS REPORT

# VOLVO PENTA

## VOLVO PENTA 51220378113 - GEARBOX

Sample No: VPA050659

Oil Type: CHEVRON AUTOMATIC TRANS FLUID MD-3

### SAMPLE INFORMATION

Sample Number	VPA050659	VPA043162	VPA025736	---
Sample Date	25 Sep 2023	12 Nov 2022	04 Jan 2022	---
Machine Hours	593	388	159	---
Oil Hours	205	205	159	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

**MIKE DZIUK**  
4500 GLASGOW WAY  
ANACORTES, WA  
US 98221  
Contact: MIKE DZIUK  
mikedziuk4@msn.com  
T: (206)963-4918  
F:

### OIL CONDITION

Visc @ 40°C	cSt	26.1	26.5	26.8	---
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### CONTAMINATION

Silicon	ppm	█ 2	█ 4	█ 6	---
Sodium	ppm	█ 1	█ 0	█ <1	---
Potassium	ppm	█ 0	█ 0	█ 0	---

### 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		█ 19	█ 21	█ 43	---
Iron	ppm	█ 16	█ 26	█ 48	---
Copper	ppm	█ 9	█ 11	█ 18	---
Lead	ppm	█ 0	█ 0	█ <1	---
Tin	ppm	█ <1	█ <1	█ 1	---
Aluminum	ppm	█ 2	█ <1	█ 2	---
Chromium	ppm	█ 0	█ 0	<1	---
Molybdenum	ppm	█ 0	█ <1	█ <1	---
Nickel	ppm	█ 0	█ 0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	█ <1	█ <1	█ <1	---
Vanadium	ppm	0	0	0	---

### ADDITIVES

Calcium	ppm	7	█ 33	█ 10	---
Magnesium	ppm	█ 0	█ 2	█ 9	---
Zinc	ppm	█ 0	█ 0	█ 37	---
Phosphorus	ppm	█ 154	█ 147	█ 181	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 73	█ 59	█ 71	---

**Depot:** MIKANA  
**Unique No:** 10670872  
**Signed:** Don Baldrige  
**Report Date:** 01 Oct 2023

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## GRAPHS

