

# OIL ANALYSIS REPORT

# VOLVO PENTA

**LAURA FOLTZ COLIN 6643 VOLVO PENTA HS68A-A 51220351734 - INBOARD - CENTER GEARBOX**

**Sample No:** VPA060748

**Oil Type:** CHEVRON AUTOMATIC TRANS FLUID MD-3

## SAMPLE INFORMATION

Sample Number	<b>VPA060748</b>	VPA048521	VPA048886	---
Sample Date	<b>18 Apr 2024</b>	08 May 2023	29 Apr 2022	---
Machine Hours	<b>343</b>	282	179	---
Oil Hours	<b>0</b>	0	179	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**Northwest Diesel Power**  
1325 ROEDER AVE SUITE 103  
BELLINGHAM, WA  
US 98225  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>24.9</b>	24.7	25.6	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>11</b>	3	4	---
Sodium	ppm	<b>&lt;1</b>	<1	1	---
Potassium	ppm	<b>1</b>	0	<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		<b>29</b>	17	20	---
Iron	ppm	<b>27</b>	22	16	---
Copper	ppm	<b>11</b>	7	10	---
Lead	ppm	<b>&lt;1</b>	0	1	---
Tin	ppm	<b>&lt;1</b>	0	<1	---
Aluminum	ppm	<b>2</b>	5	1	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>4</b>	<1	<1	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	0	<1	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>152</b>	73	55	---
Magnesium	ppm	<b>16</b>	7	13	---
Zinc	ppm	<b>56</b>	16	58	---
Phosphorus	ppm	<b>270</b>	232	255	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>106</b>	102	85	---

**Depot:** VP759009  
**Unique No:** 10993426  
**Signed:** Don Baldrige  
**Report Date:** 25 Apr 2024

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## GRAPHS

