

# OIL ANALYSIS REPORT



## GALTEX PILOTS SERVICE VOLVO PENTA 10132152554 - CENTER DIESEL ENGINE

**Sample No:** VPA059464  
**Oil Type:** SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

Sample Number	<b>VPA059464</b>	VPA060149	VPA060549	---
Sample Date	<b>03 Jul 2024</b>	04 Mar 2024	21 Aug 2023	---
Machine Hours	<b>4450</b>	3560	2443	---
Oil Hours	<b>0</b>	0	73	---
Oil Changed	<b>N/A</b>	N/A	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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 T:  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.7</b>	13.7	13.3	---
Base Number (BN)	mg KOH/g	<b>6.4</b>	7.3	6.5	---
Oxidation (PA)	%	<b>62</b>	65	61	---

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.5</b>	0.3	0.5	---
Nitration (PA)	%	<b>85</b>	72	68	---
Sulfation (PA)	%	<b>56</b>	58	58	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>4</b>	4	4	---
Sodium	ppm	<b>2</b>	<1	2	---
Potassium	ppm	<b>3</b>	4	<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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>9</b>	1	9	---
Copper	ppm	<b>&lt;1</b>	0	1	---
Lead	ppm	<b>1</b>	2	0	---
Tin	ppm	<b>&lt;1</b>	0	<1	---
Aluminum	ppm	<b>2</b>	1	1	---
Chromium	ppm	<b>0</b>	<1	0	---
Molybdenum	ppm	<b>76</b>	27	66	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	<1	0	---
Vanadium	ppm	<b>0</b>	<1	<1	---

### ADDITIVES

Calcium	ppm	<b>2347</b>	2300	1681	---
Magnesium	ppm	<b>54</b>	138	416	---
Zinc	ppm	<b>1325</b>	1287	1302	---
Phosphorus	ppm	<b>1122</b>	1030	1060	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>28</b>	56	169	---

**Depot:** VP680026  
**Unique No:** 1115393  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2024

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**VOLVO  
PENTA**

## GRAPHS

