

# OIL ANALYSIS REPORT

# VOLVO PENTA

## BUTTERFOSS VOLVO PENTA A661250 - PORT DIESEL ENGINE

Sample No: VPA055523

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA055523	---	---	---
Sample Date	08 Nov 2023	---	---	---
Machine Hours	494	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**W J Clark Inc**  
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US 23518  
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ychtfixer@aol.com  
T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	63	---	---	---

### 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.

### CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---

### WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1944	---	---	---
Magnesium	ppm	█ 156	---	---	---
Zinc	ppm	█ 1178	---	---	---
Phosphorus	ppm	█ 979	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	164	---	---	---

**Depot:** VP151520  
**Unique No:** 10743022  
**Signed:** Don Baldrige  
**Report Date:** 19 Nov 2023

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## GRAPHS

