

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CLEMENTINE 50658 - PORT DIESEL ENGINE

Sample No: VPA059826

Oil Type: SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

Sample Number	VPA059826	VPA046274	---	---
Sample Date	25 Oct 2023	09 Jan 2023	---	---
Machine Hours	1447	1432	---	---
Oil Hours	16	14	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 8.8	█ 9.1	---	---
Oxidation (PA)	%	█ 62	█ 63	---	---

### CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	█ 50	█ 48	---	---
Sulfation (PA)	%	█ 52	█ 55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 4	█ 6	---	---
Potassium	ppm	█ 3	█ 5	---	---

### WEAR METALS

Iron	ppm	█ 6	█ 10	---	---
Copper	ppm	█ 10	▲ 101	---	---
Lead	ppm	█ 0	█ 4	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 26	█ 4	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 1694	█ 2161	---	---
Magnesium	ppm	█ 338	█ 13	---	---
Zinc	ppm	█ 1240	█ 1125	---	---
Phosphorus	ppm	█ 1022	█ 949	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 95	█ 180	---	---

### The Talaria Company

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### 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.

Depot: VP592286

Unique No: 10722487

Signed: Sean Felton

Report Date: 01 Nov 2023

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## GRAPHS

