

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CLEMENTINE 50657 - PORT DIESEL ENGINE

Sample No: VPA059829

Oil Type: SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

Sample Number	VPA059829	VPA046292	---	---
Sample Date	25 Oct 2023	09 Jan 2023	---	---
Machine Hours	1034	1018	---	---
Oil Hours	16	14	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	█ 14.1	---	---
Base Number (BN)	mg KOH/g	█ 8.0	█ 9.1	---	---
Oxidation (PA)	%	63	65	---	---

### CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	52	49	---	---
Sulfation (PA)	%	52	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 6	█ 11	---	---
Potassium	ppm	█ 4	█ 6	---	---

### WEAR METALS

Iron	ppm	█ 18	█ 13	---	---
Copper	ppm	█ 14	█ 21	---	---
Lead	ppm	█ 0	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 4	█ 5	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	26	█ <1	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ 5	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 1730	█ 2116	---	---
Magnesium	ppm	█ 348	█ 13	---	---
Zinc	ppm	█ 1269	█ 1074	---	---
Phosphorus	ppm	█ 1022	█ 926	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 97	█ 183	---	---

### The Talaria Company

202 Banks St., One Little Harbor Landing  
OXFORD, MD

US 21654

Contact: TRACY PELLERIN

tpellerin@hinckleyyachts.com

T: (410)770-4899

F: x:

### 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: 10722485

Signed: Sean Felton

Report Date: 01 Nov 2023

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PENTA**

## GRAPHS

