

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 533131 VOLVO PENTA A198378 - PORT DIESEL ENGINE

Sample No: VPA042599

Oil Type: SHELL ROTELLA T4 15W40

### SAMPLE INFORMATION

Sample Number	VPA042599	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	847	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Jas Marine Service Inc.

1009 Newman RD.

LAKE PARK, FL

US 33403

Contact: DEBBIE

debbie@jasmarine.com

T: (561)844-3224

F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	53	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 57	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1046	---	---	---
Magnesium	ppm	█ 967	---	---	---
Zinc	ppm	█ 1259	---	---	---
Phosphorus	ppm	█ 1048	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 8	---	---	---

### Diagnosis

No corrective action is recommended at this time. 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 suitable for further service.

Depot: VP152963

Unique No: 10631749

Signed: Doug Bogart

Report Date: 06 Sep 2023

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## GRAPHS

