

# OIL ANALYSIS REPORT

# VOLVO PENTA

## CALLINECTES 44 3911 M60299 - STARBOARD DIESEL ENGINE

Sample No: VPA060756

Oil Type: SHELL ROTELLA T 15W40

### SAMPLE INFORMATION

Sample Number	VPA060756	VPA043870	---	---
Sample Date	08 Dec 2023	10 Dec 2021	---	---
Machine Hours	1471	1450	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	█ 13.4	---	---
Base Number (BN)	mg KOH/g	█ 8.5	█ 8.4	---	---
Oxidation (PA)	%	68	77	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	60	82	---	---
Sulfation (PA)	%	57	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 5	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ 7	█ 6	---	---

### WEAR METALS

Iron	ppm	█ 28	█ 29	---	---
Copper	ppm	█ 47	█ 71	---	---
Lead	ppm	█ 0	█ 3	---	---
Tin	ppm	█ <1	█ 1	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 3	█ 15	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

### ADDITIVES

Calcium	ppm	█ 2084	█ 2169	---	---
Magnesium	ppm	78	█ 247	---	---
Zinc	ppm	█ 1197	█ 1242	---	---
Phosphorus	ppm	█ 1047	█ 1076	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 179	█ 125	---	---

#### 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: 10794141

Signed: Sean Felton

Report Date: 20 Dec 2023

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## GRAPHS

