

OIL ANALYSIS REPORT

VOLVO PENTA

GREG ELLIS VOLVO PENTA 7008573322 - PORT DIESEL ENGINE

Sample No: VPA059837

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059837	---	---	---
Sample Date	26 Feb 2024	---	---	---
Machine Hours	86	---	---	---
Oil Hours	86	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Galati Yacht Sales LLC

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ANNA MARIA, FL

US 34216

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 36	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 111	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1611	---	---	---
Magnesium	ppm	█ 537	---	---	---
Zinc	ppm	█ 899	---	---	---
Phosphorus	ppm	█ 774	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 274	---	---	---

Depot: VP648685

Unique No: 10910346

Signed: Jonathan Hester

Report Date: 07 Mar 2024

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GRAPHS

