

OIL ANALYSIS REPORT

VOLVO PENTA

HERMAN GREG ELLIS VOLVO PENTA A1157776 - STARBOARD DIESEL ENGINE

Sample No: VPA057447

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA057447	---	---	---
Sample Date	10 Jun 2024	---	---	---
Machine Hours	419	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Galati Yacht Sales LLC

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US 34216

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 1.6	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---

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.

WEAR METALS

Iron	ppm	█ 51	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 9	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1048	---	---	---
Magnesium	ppm	█ 893	---	---	---
Zinc	ppm	█ 1107	---	---	---
Phosphorus	ppm	█ 832	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VP648685

Unique No: 11077107

Signed: Don Baldrige

Report Date: 17 Jun 2024

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GRAPHS

