

OIL ANALYSIS REPORT

**VOLVO
PENTA**

TEPPER NICK/23124 VOLVO PENTA 2006041545 - STARBOARD DIESEL ENGINE

Sample No: VPA055111

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA055111	---	---	---
Sample Date	12 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Seven Seas Yacht Services LLC

1804 CRAB ALLEY DR

CHESTER, MD

US 21619

Contact: Stephanie Wright

stephanie@sevenseasys.com

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	66	---	---	---

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

Iron	ppm	█ 64	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 2006	---	---	---
Magnesium	ppm	█ 123	---	---	---
Zinc	ppm	█ 1179	---	---	---
Phosphorus	ppm	█ 995	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 163	---	---	---

Depot: VP601781

Unique No: 10794169

Signed: Sean Felton

Report Date: 20 Dec 2023

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GRAPHS

