

OIL ANALYSIS REPORT

VOLVO PENTA

11125 VOLVO PENTA 2071177911 - STARBOARD DIESEL ENGINE

Sample No: VPA055406

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA055406	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	840	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

BAY MARINE

3 E MADISON ST

WAUKEGAN, IL

US 60085

Contact: NANCY FELHOFER

NANCY.FELHOFER@BAYMARINE.NET

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	66	---	---	---

CONTAMINATION

Soot %	%	█ 1.8	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 16	---	---	---
Potassium	ppm	█ 6	---	---	---

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	█ 26	---	---	---
Copper	ppm	█ 36	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 12	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2163	---	---	---
Magnesium	ppm	█ 199	---	---	---
Zinc	ppm	█ 1323	---	---	---
Phosphorus	ppm	█ 1049	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 105	---	---	---

Depot: VP1174336

Unique No: 10587681

Signed: Doug Bogart

Report Date: 06 Aug 2023

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GRAPHS

