

OIL ANALYSIS REPORT

VOLVO PENTA

ASTLE NICK/22987 VOLVO PENTA A1099682 - PORT DIESEL ENGINE

Sample No: VPA048626
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA048626	VPA048355	---	---
Sample Date	06 Jul 2023	25 Mar 2022	---	---
Machine Hours	984	197	---	---
Oil Hours	0	197	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Seven Seas Yacht Services LLC
1804 CRAB ALLEY DR
CHESTER, MD
US 21619
Contact: Stephanie Wright
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T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 12.7	---	---
Base Number (BN)	mg KOH/g	█ 10.2	█ 11.2	---	---
Oxidation (PA)	%	57	86	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	47	52	---	---
Sulfation (PA)	%	53	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 24	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 4	█ 4	---	---

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	█ 8	█ 24	---	---
Copper	ppm	█ 3	█ 15	---	---
Lead	ppm	█ 1	█ 5	---	---
Tin	ppm	█ 0	█ 3	---	---
Aluminum	ppm	█ 2	█ 13	---	---
Chromium	ppm	█ 1	█ 2	---	---
Molybdenum	ppm	█ 57	█ 41	---	---
Nickel	ppm	█ 3	█ 0	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1071	█ 1717	---	---
Magnesium	ppm	█ 974	█ 495	---	---
Zinc	ppm	█ 1254	█ 1132	---	---
Phosphorus	ppm	█ 1018	█ 965	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 3	█ 61	---	---

Depot: VP601781
Unique No: 10552926
Signed: Sean Felton
Report Date: 14 Jul 2023

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GRAPHS

