

OIL ANALYSIS REPORT

VOLVO PENTA

BRIAN NAJOR 505200 KOHLER 334NGMJR0009 (S/N 334GMJR0009) - GENSET

Sample No: VPA048793

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA048793	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	127	---	---	---
Oil Hours	127	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.6	---	---	---
Oxidation (PA)	%	78	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1629	---	---	---
Magnesium	ppm	█ 446	---	---	---
Zinc	ppm	█ 1025	---	---	---
Phosphorus	ppm	█ 830	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 68	---	---	---

Depot: VP297371

Unique No: 10550555

Signed: Don Baldrige

Report Date: 12 Jul 2023

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GRAPHS

