

OIL ANALYSIS REPORT

VOLVO PENTA

BOB FARRIS 505661 KOHLER SGM32B3N9 - GENSET

Sample No: VPA059430

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059430	VPA042749	---	---
Sample Date	01 Dec 2023	13 Dec 2022	---	---
Machine Hours	309	290	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
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US 48080

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	█ 13.4	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 11.2	---	---
Oxidation (PA)	%	█ 62	60	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	█ 46	54	---	---
Sulfation (PA)	%	█ 51	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	< 1.0	< 1.0	---	---
Silicon	ppm	█ 7	█ 2	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 3	█ < 1	---	---

WEAR METALS

Iron	ppm	█ 9	█ 17	---	---
Copper	ppm	█ 1	█ 4	---	---
Lead	ppm	█ 0	█ < 1	---	---
Tin	ppm	█ 0	█ < 1	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ < 1	█ < 1	---	---
Molybdenum	ppm	█ 56	█ 58	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	█ 0	---	---
Silver	ppm	█ 0	█ 2	---	---
Manganese	ppm	█ 0	█ < 1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 979	█ 1037	---	---
Magnesium	ppm	█ 862	█ 886	---	---
Zinc	ppm	█ 1085	█ 1163	---	---
Phosphorus	ppm	█ 869	█ 990	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 2	█ 2	---	---

Depot: VP297371

Unique No: 10775993

Signed: Don Baldrige

Report Date: 07 Dec 2023

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GRAPHS

