

OIL ANALYSIS REPORT

VOLVO PENTA

WILLIAM ROLAND 505978 WESTERBEKE 159041-E611 (S/N 53160) - GENSET

Sample No: VPA053689

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA053689	VPA042446	---	---
Sample Date	04 May 2024	15 Feb 2023	---	---
Machine Hours	642	63	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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	█ 12.9	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 10.0	8.6	---	---
Oxidation (PA)	%	█ 53	43	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	█ 41	54	---	---
Sulfation (PA)	%	█ 49	41	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	< 1.0	< 1.0	---	---
Silicon	ppm	█ 5	█ 24	---	---
Sodium	ppm	█ 12	█ 527	---	---
Potassium	ppm	█ 2	█ 25	---	---

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.

WEAR METALS

Iron	ppm	█ 47	▲ 599	---	---
Copper	ppm	█ 3	█ 12	---	---
Lead	ppm	█ 1	█ 3	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 6	▲ 120	---	---
Chromium	ppm	█ 2	▲ 18	---	---
Molybdenum	ppm	█ 62	█ 38	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	0	< 1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ < 1	█ 7	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1163	█ 1564	---	---
Magnesium	ppm	█ 1041	█ 762	---	---
Zinc	ppm	█ 1337	█ 1251	---	---
Phosphorus	ppm	█ 1122	█ 985	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 1	█ 9	---	---

Depot: VP297371

Unique No: 11021118

Signed: Don Baldrige

Report Date: 13 May 2024

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GRAPHS

