

OIL ANALYSIS REPORT

VOLVO PENTA

ROBERT COUSLEY 505545 ZF 20362443 - INBOARD - STARBOARD GEARBOX

Sample No: VPA048672

Oil Type: TOTAL RUBIA SAE 30

SAMPLE INFORMATION

Sample Number	VPA048672	VPA031923	---	---
Sample Date	03 Oct 2023	24 Aug 2021	---	---
Machine Hours	295	110	---	---
Oil Hours	185	110	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

Contact: DENNIS BUTT
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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 74.9	■ 83.8	---	---
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CONTAMINATION

Silicon	ppm	■ 5	■ 5	---	---
Sodium	ppm	■ 0	■ 3	---	---
Potassium	ppm	■ 2	■ <1	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 13	■ 24	---	---
Iron	ppm	■ 12	■ 13	---	---
Copper	ppm	■ 81	■ 51	---	---
Lead	ppm	■ 2	■ 2	---	---
Tin	ppm	■ 2	■ 2	---	---
Aluminum	ppm	■ 0	■ 4	---	---
Chromium	ppm	■ 0	<1	---	---
Molybdenum	ppm	■ 17	42	---	---
Nickel	ppm	■ 0	0	---	---
Titanium	ppm	■ 0	0	---	---
Silver	ppm	■ 0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	■ 0	0	---	---

ADDITIVES

Calcium	ppm	■ 2550	1675	---	---
Magnesium	ppm	■ 224	541	---	---
Zinc	ppm	■ 1025	1115	---	---
Phosphorus	ppm	■ 879	966	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	■ 60	170	---	---

Depot: VP297371

Unique No: 10686291

Signed: Don Baldrige

Report Date: 12 Oct 2023

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GRAPHS

