

OIL ANALYSIS REPORT

VOLVO PENTA

WARREN LUETT 1172 VOLVO PENTA 3950008030 - STARBOARD IPS

Sample No: VPA055284

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

SAMPLE INFORMATION

Sample Number	VPA055284	VPA047700	---	---
Sample Date	28 Nov 2023	10 Jan 2023	---	---
Machine Hours	161	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

BELLINGHAM YACHT SALES (OUILEETE BROS)

1801 ROEDER AVE, SUITE 174
BELLINGHAM, WA
US 98225

Contact: MATT CLARK
service@bellinghamyachts.com

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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 104	█ 100	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	7	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 4	█ 10	---	---

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 15	█ 12	---	---
Iron	ppm	█ 13	█ 17	---	---
Copper	ppm	4	4	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	0	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 0	0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	4	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 40	56	---	---
Magnesium	ppm	█ 194	905	---	---
Zinc	ppm	█ 2	5	---	---
Phosphorus	ppm	█ 1544	1619	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 396	592	---	---

Depot: VP255663
Unique No: 10788991
Signed: Don Baldrige
Report Date: 17 Dec 2023

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GRAPHS

