

OIL ANALYSIS REPORT

VOLVO PENTA

BILL ROLAND 505978 VOLVO PENTA 310000574 - STERNDRIVE - PORT GEARBOX

Sample No: VPA056329

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056329	VPA042751	VPA048177	---
Sample Date	20 Feb 2024	08 Dec 2022	26 Jul 2022	---
Machine Hours	326	250	238	---
Oil Hours	0	25	100	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ATTENTION	SEVERE	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 109	█ 110	█ 106.1	---
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CONTAMINATION

Water	%	▲ 0.500	NEG	▲ 1.49	---
Silicon	ppm	█ 3	█ <1	█ 3	---
Sodium	ppm	█ 1	█ 3	█ 3	---
Potassium	ppm	█ 2	█ 0	█ 4	---

WEAR METALS

PQ		█ 15	█ 31	█ 38	---
Iron	ppm	● 215	● 233	● 199	---
Copper	ppm	█ <1	█ 1	█ 1	---
Lead	ppm	█ 0	█ 0	█ 1	---
Tin	ppm	█ <1	█ <1	█ <1	---
Aluminum	ppm	█ 5	█ 5	█ 4	---
Chromium	ppm	█ <1	█ 2	█ 1	---
Molybdenum	ppm	█ 0	█ <1	█ <1	---
Nickel	ppm	█ 1	█ 1	█ 2	---
Titanium	ppm	█ 0	█ 0	█ 0	---
Silver	ppm	█ 0	█ 0	█ 2	---
Manganese	ppm	█ 2	█ 3	█ 7	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 8	█ 18	█ 11	---
Magnesium	ppm	█ 2	█ 5	█ 52	---
Zinc	ppm	█ 13	█ 32	█ 28	---
Phosphorus	ppm	█ 1478	█ 1448	█ 1267	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 164	█ 300	█ 394	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP297371

Unique No: 10900214

Signed: Jonathan Hester

Report Date: 29 Feb 2024

OIL ANALYSIS REPORT



GRAPHS

