

OIL ANALYSIS REPORT

VOLVO PENTA

BILL ROLAND 505978 VOLVO PENTA 3100000573 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA056330

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056330	VPA042750	VPA033401	---
Sample Date	21 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	ATTENTION	ATTENTION	SEVERE	---

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	109	109	107.4	---
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CONTAMINATION

Water	%	NEG	NEG	▲ 2.10	---
Silicon	ppm	3	0	3	---
Sodium	ppm	2	2	3	---
Potassium	ppm	2	0	4	---

WEAR METALS

PQ		25	14	35	---
Iron	ppm	208	165	268	---
Copper	ppm	<1	<1	3	---
Lead	ppm	0	0	3	---
Tin	ppm	0	0	1	---
Aluminum	ppm	2	2	6	---
Chromium	ppm	1	1	2	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	2	<1	3	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	18	---
Manganese	ppm	2	2	7	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	9	8	11	---
Magnesium	ppm	3	2	35	---
Zinc	ppm	9	16	53	---
Phosphorus	ppm	1488	1368	1258	---
Barium	ppm	0	0	0	---
Boron	ppm	271	308	372	---

Diagnosis

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 no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP297371

Unique No: 10900213

Signed: Jonathan Hester

Report Date: 29 Feb 2024

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GRAPHS

