

OIL ANALYSIS REPORT

**VOLVO
PENTA**

DETROIT DETROIT - INBOARD (S/N NOT GIVEN) - STARBOARD GEARBOX

Sample No: VPA036416
Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION

Sample Number	VPA036416	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	100	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

BEST MARINE
24 RIVERVIEW AVE
TARRYTOWN, NY
US 10591
Contact: PETE ROESTENBERG
PETEMARINE27@OUTLOOK.COM
T: (516)807-5340
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 115	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 12	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

PQ		█ 17	---	---	---
Iron	ppm	█ 21	---	---	---
Copper	ppm	▲ 261	---	---	---
Lead	ppm	▲ 62	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 89	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2243	---	---	---
Magnesium	ppm	█ 179	---	---	---
Zinc	ppm	█ 956	---	---	---
Phosphorus	ppm	█ 882	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Clutch 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: VPBESTAR
Unique No: 10823433
Signed: Jonathan Hester
Report Date: 15 Jan 2024

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GRAPHS

