

OIL ANALYSIS REPORT

**VOLVO
PENTA**

BAREFOOT 23-2745 ZF ZF 335AE - STERNDRIVE (S/N NOT GIVEN) - STARBOARD GEARBOX

Sample No: VPA058523

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA058523	---	---	---
Sample Date	15 Dec 2023	---	---	---
Machine Hours	1693	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine

PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 99.5	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 0	---	---	---

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		■ 18	---	---	---
Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 23	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 120	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 2655	---	---	---
Magnesium	ppm	■ 23	---	---	---
Zinc	ppm	■ 1163	---	---	---
Phosphorus	ppm	■ 1044	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: VP153685
Unique No: 10793363
Signed: Don Baldrige
Report Date: 20 Dec 2023

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GRAPHS

