

OIL ANALYSIS REPORT

VOLVO PENTA

ZF 20247365 - INBOARD - STARBOARD GEARBOX

Sample No: VPA059799

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA059799	---	---	---
Sample Date	13 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	120	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103
PLANTATION, FL
US 33325
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smartdieselservice@gmail.com
T: (954)258-8100
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 84.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 43	---	---	---
Iron	ppm	■ 50	---	---	---
Copper	ppm	■ 119	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 115	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2714	---	---	---
Magnesium	ppm	41	---	---	---
Zinc	ppm	■ 1231	---	---	---
Phosphorus	ppm	■ 1141	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 4	---	---	---

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.

Depot: VPSMAPLA
Unique No: 10940044
Signed: Don Baldrige
Report Date: 25 Mar 2024

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GRAPHS

