

OIL ANALYSIS REPORT

**VOLVO
PENTA**

MARK MILLER ZF 20409440 - INBOARD - STARBOARD GEARBOX

Sample No: VPA040583

Oil Type: AMELIA 40

SAMPLE INFORMATION

Sample Number	VPA040583	---	---	---
Sample Date	05 May 2023	---	---	---
Machine Hours	52	---	---	---
Oil Hours	52	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FDDA TAMPA

TAMPA, FL
US
Contact: KYLE SUTLEY
k.sutley@ssss.com
T: (813)918-8518
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 92.7	---	---	---
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CONTAMINATION

Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

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		■ 16	---	---	---
Iron	ppm	■ 9	---	---	---
Copper	ppm	■ 37	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	55	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	3509	---	---	---
Magnesium	ppm	40	---	---	---
Zinc	ppm	1156	---	---	---
Phosphorus	ppm	1044	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	465	---	---	---

Depot: VP208641
Unique No: 10553532
Signed: Don Baldrige
Report Date: 17 Jul 2023

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GRAPHS

