

OIL ANALYSIS REPORT

VOLVO PENTA

MARK GUILMAIN TAP551928 ZF 20380816 - INBOARD - STARBOARD GEARBOX

Sample No: VPA045617

Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA045617	VPA037353	---	---
Sample Date	09 Apr 2024	04 Apr 2022	---	---
Machine Hours	520	163	---	---
Oil Hours	520	163	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

FDDA TAMPA

TAMPA, FL

US

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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 76.3	■ 83.9	---	---
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CONTAMINATION

Water	%	■ NEG	■ NEG	---	---
Silicon	ppm	■ 15	■ 15	---	---
Sodium	ppm	■ <1	■ 4	---	---
Potassium	ppm	■ 1	■ 0	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 27	■ 17	---	---
Iron	ppm	■ 16	■ 12	---	---
Copper	ppm	■ 45	■ 83	---	---
Lead	ppm	■ <1	■ 3	---	---
Tin	ppm	■ 8	■ 2	---	---
Aluminum	ppm	■ 4	■ 2	---	---
Chromium	ppm	■ 1	<1	---	---
Molybdenum	ppm	■ 53	■ <1	---	---
Nickel	ppm	■ 2	<1	---	---
Titanium	ppm	■ <1	■ <1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	■ 2	■ <1	---	---
Vanadium	ppm	1	0	---	---

ADDITIVES

Calcium	ppm	■ 940	■ 2983	---	---
Magnesium	ppm	■ 760	■ 13	---	---
Zinc	ppm	■ 658	■ 1131	---	---
Phosphorus	ppm	■ 630	■ 1083	---	---
Barium	ppm	■ 4	■ 0	---	---
Boron	ppm	■ 212	■ 12	---	---

Depot: VP208641

Unique No: 10980771

Signed: Sean Felton

Report Date: 18 Apr 2024

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GRAPHS

