

OIL ANALYSIS REPORT

1867 ZF ZF - INBOARD (S/N NOT GIVEN) - PORT GEARBOX

Sample No: VPA060903
Oil Type: MOBIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA060903	---	---	---
Sample Date	13 Apr 2024	---	---	---
Machine Hours	70	---	---	---
Oil Hours	70	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

SMART DIESEL SERVICE

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

OIL CONDITION

Visc @ 40°C	cSt	■ 99.6	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 21	---	---	---
Iron	ppm	■ 11	---	---	---
Copper	ppm	● 335	---	---	---
Lead	ppm	■ 14	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminium	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	68	---	---	---
Magnesium	ppm	1423	---	---	---
Zinc	ppm	1323	---	---	---
Phosphorus	ppm	1153	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	5	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. Clutch disc wear or oil cooler leaching indicated. 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: 10994833
Signed: Jonathan Hester
Report Date: 26 Apr 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

