

OIL ANALYSIS REPORT

**VOLVO
PENTA**

15123 ZF 20092499 - INBOARD - STARBOARD GEARBOX

Sample No: VPA036426

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA036426	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	1085	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 76.1	---	---	---
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CONTAMINATION

Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 141	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 22	---	---	---
Iron	ppm	■ 56	---	---	---
Copper	ppm	▲ 132	---	---	---
Lead	ppm	■ 11	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 12	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 943	---	---	---
Magnesium	ppm	■ 669	---	---	---
Zinc	ppm	■ 1037	---	---	---
Phosphorus	ppm	■ 908	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 7	---	---	---

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T:
F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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: VP151520
Unique No: 10673164
Signed: Jonathan Hester
Report Date: 04 Oct 2023

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GRAPHS

