

OIL ANALYSIS REPORT

VOLVO PENTA

15194 ZF 3312001017 - INBOARD - STARBOARD GEARBOX

Sample No: VPA060967

Oil Type: ATF

SAMPLE INFORMATION

Sample Number	VPA060967	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

W J Clark Inc

4517 Dunning Road
NORFOLK, VA
US 23518
Contact: WALTER CLARK
ychtfixer@aol.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 23.1	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

PQ		■ 28	---	---	---
Iron	ppm	■ 64	---	---	---
Copper	ppm	▲ 301	---	---	---
Lead	ppm	● 325	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 6	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 9	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 132	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 172	---	---	---
Phosphorus	ppm	■ 297	---	---	---
Barium	ppm	■ 382	---	---	---
Boron	ppm	■ 91	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Clutch wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP151520
Unique No: 10863723
Signed: Jonathan Hester
Report Date: 08 Feb 2024

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GRAPHS

