

OIL ANALYSIS REPORT

VOLVO PENTA

ZF 20235427 - ZEUS DRIVE - STARBOARD TRANSMISSION

Sample No: VPA052728

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA052728	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 86.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 4	---	---	---

WEAR METALS

PQ		■ 23	---	---	---
Iron	ppm	■ 36	---	---	---
Copper	ppm	▲ 407	---	---	---
Lead	ppm	▲ 82	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	39	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1110	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	370	---	---	---
Phosphorus	ppm	485	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	100	---	---	---

ALL SYSTEMS MARINE

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Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Clutch wear is indicated. Clutch disc wear or oil cooler leaching indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VP99220003
Unique No: 11103028
Signed: Jonathan Hester
Report Date: 03 Jul 2024

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GRAPHS

