

OIL ANALYSIS REPORT

VOLVO PENTA

BRETT AGGEN AR502940 VOLVO PENTA 4202133582 - STERNDRIVE - GEARBOX

Sample No: VPA053198

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA053198	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	323	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 97.8	---	---	---
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CONTAMINATION

Water	%	▲ 0.475	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 50	---	---	---
Iron	ppm	▲ 515	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminium	ppm	▲ 8	---	---	---
Chromium	ppm	■ 5	---	---	---
Molybdenum	ppm	■ 14	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 102	---	---	---
Magnesium	ppm	44	---	---	---
Zinc	ppm	■ 188	---	---	---
Phosphorus	ppm	■ 1377	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 184	---	---	---

Diagnosis

We advise that you check for the source of water entry. 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. Gear wear is indicated. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP794951
Unique No: 11057829
Signed: Jonathan Hester
Report Date: 04 Jun 2024

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GRAPHS

