

OIL ANALYSIS REPORT

VOLVO PENTA

THOMAS GOAR SAM ZF 20366601 - INBOARD - PORT GEARBOX

Sample No: VPA055006

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA055006	---	---	---
Sample Date	07 Aug 2023	---	---	---
Machine Hours	104	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 81.7	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 21	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 26	---	---	---
Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 44	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 25	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 3253	---	---	---
Magnesium	ppm	■ 56	---	---	---
Zinc	ppm	■ 1015	---	---	---
Phosphorus	ppm	■ 882	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 271	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VP794951
Unique No: 10603647
Signed: Sean Felton
Report Date: 15 Aug 2023

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GRAPHS

