

OIL ANALYSIS REPORT

VOLVO PENTA

PORT IPS - PORT TRANSMISSION (AUTO)

Sample No: VPA049806

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA049806	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	106	---	---	---
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CONTAMINATION

Silicon	ppm	■ 24	---	---	---
Sodium	ppm	▲ 175	---	---	---
Potassium	ppm	■ 11	---	---	---

WEAR METALS

PQ		■ 0	---	---	---
Iron	ppm	▲ 619	---	---	---
Copper	ppm	■ 18	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 11	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	19	---	---	---
Magnesium	ppm	38	---	---	---
Zinc	ppm	21	---	---	---
Phosphorus	ppm	1360	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	246	---	---	---

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Diagnosis

Check for low coolant level. We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Iron ppm levels are abnormal. Water treatment chemicals present, indicating slow coolant leak. There is a moderate concentration of water present in the fluid. Free water present. Test for glycol is negative. Abnormal water content and sodium(Na) level indicate possible sea water contamination. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP154139
Unique No: 5659476
Signed: Kevin Marson
Report Date: 22 Oct 2023

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GRAPHS

