

OIL ANALYSIS REPORT

**VOLVO
PENTA**

HUSCHITT ZF HUSCHITT (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA058138

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA058138	---	---	---
Sample Date	19 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.5	---	---	---
Oxidation (PA)	%	171	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	102	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	▲ 67	---	---	---
Copper	ppm	▲ 86	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 33	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 46	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1017	---	---	---
Magnesium	ppm	█ 831	---	---	---
Zinc	ppm	█ 1254	---	---	---
Phosphorus	ppm	█ 1032	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 85	---	---	---

BAY MARINE

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Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. Piston and cylinder wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP1174336

Unique No: 10795635

Signed: Jonathan Hester

Report Date: 22 Dec 2023

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GRAPHS

