

OIL ANALYSIS REPORT

VOLVO PENTA

WESTERBEKE 413805 - GENSET

Sample No: VPA051251

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA051251	---	---	---
Sample Date	07 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

TRUE NORTH MARINE

1206 MARINA BAY DR
CLEAR LAKE SHORES, TX
US 77565

Contact: Eric Basdekis
e.basdekis@truenorth-marine.com

T:
F:

OIL CONDITION

Base Number (BN) mg KOH/g	53.8	---	---	---
Oxidation (PA) %	396	---	---	---

CONTAMINATION

Water %	▲ 37.1	---	---	---
Soot %	■ 1.5	---	---	---
Nitration (PA) %	1050	---	---	---
Sulfation (PA) %	0	---	---	---
Glycol %	▲ 0.10	---	---	---
Fuel %	<1.0	---	---	---
Silicon ppm	■ 6	---	---	---
Sodium ppm	▲ 1026	---	---	---
Potassium ppm	▲ 51	---	---	---

WEAR METALS

Iron ppm	▲ 141	---	---	---
Copper ppm	■ 3	---	---	---
Lead ppm	■ 2	---	---	---
Tin ppm	■ 5	---	---	---
Aluminum ppm	■ 3	---	---	---
Chromium ppm	■ 3	---	---	---
Molybdenum ppm	1	---	---	---
Nickel ppm	■ 0	---	---	---
Titanium ppm	0	---	---	---
Silver ppm	■ 0	---	---	---
Manganese ppm	<1	---	---	---
Vanadium ppm	0	---	---	---

ADDITIVES

Calcium ppm	1438	---	---	---
Magnesium ppm	179	---	---	---
Zinc ppm	718	---	---	---
Phosphorus ppm	698	---	---	---
Barium ppm	0	---	---	---
Boron ppm	131	---	---	---

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test. Cylinder, crank, or cam shaft wear is indicated. Appearance is milky. Sodium and/or potassium levels are high. Test for glycol is positive. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP975860
Unique No: 10965777
Signed: Jonathan Hester
Report Date: 10 Apr 2024

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GRAPHS

