

OIL ANALYSIS REPORT

VOLVO PENTA

SICKENBERGER 460-237 CUMMINS/ONAN H220131871 - GENSET

Sample No: VPA058381
Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA058381	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	343	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	█ 68	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 71	---	---	---
Sulfation (PA)	%	█ 53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.7	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1709	---	---	---
Magnesium	ppm	█ 635	---	---	---
Zinc	ppm	█ 934	---	---	---
Phosphorus	ppm	█ 773	---	---	---
Barium	ppm	█ 6	---	---	---
Boron	ppm	█ 45	---	---	---

Outstanding Marine

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP153685
Unique No: 10764037
Signed: Jonathan Hester
Report Date: 06 Dec 2023

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GRAPHS

