

OIL ANALYSIS REPORT



WAKEFIELD 460-209 CUMMINS/ONAN C220056003 - GENSET

Sample No: VPA059534
Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA059534	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	171	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine
 PO Box 274
 GALENA, MD
 US 21635
 Contact: Ronda Bolinger
 rlwb@verizon.net
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	63	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.4	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

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. Fuel content negligible. 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.

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1667	---	---	---
Magnesium	ppm	610	---	---	---
Zinc	ppm	927	---	---	---
Phosphorus	ppm	761	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	48	---	---	---

Depot: VP153685
Unique No: 10764032
Signed: Jonathan Hester
Report Date: 06 Dec 2023

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VOLVO PENTA

GRAPHS

