

OIL ANALYSIS REPORT

VOLVO PENTA

SWOPE 460-199 CUMMINS/ONAN L210010429 - GENSET

Sample No: VPA057075

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA057075	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	327	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

Outstanding Marine

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

OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	8.8	---	---	---
Oxidation (PA)	%	68	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	3.6	---	---	---
Silicon	ppm	24	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	0	---	---	---

WEAR METALS

Iron	ppm	20	---	---	---
Copper	ppm	16	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1607	---	---	---
Magnesium	ppm	623	---	---	---
Zinc	ppm	918	---	---	---
Phosphorus	ppm	772	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	37	---	---	---

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: 10816308
Signed: Jonathan Hester
Report Date: 08 Jan 2024

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GRAPHS

