

OIL ANALYSIS REPORT

VOLVO PENTA

ROBB KENYON DANIEL/502471 CUMMINS G14071549 - GENSET

Sample No: VPA059145

Oil Type: CUMMINS CUMMINS BLUE 2000 15W40

SAMPLE INFORMATION

Sample Number	VPA059145	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	329	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 9.6	---	---	---
Oxidation (PA)	%	57	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity.

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	45	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.7	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 66	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1086	---	---	---
Magnesium	ppm	■ 914	---	---	---
Zinc	ppm	■ 1154	---	---	---
Phosphorus	ppm	■ 788	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 61	---	---	---

Depot: VP794951
Unique No: 10711555
Signed: Sean Felton
Report Date: 27 Oct 2023

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GRAPHS

