

OIL ANALYSIS REPORT



STEVE BOUKER 7719010 CUMMINS ONAN H150863182 - GENSET

Sample No: VPA049694

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA049694	VPA029079	---	---
Sample Date	28 Mar 2024	06 Nov 2019	---	---
Machine Hours	846	344	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

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F:

OIL CONDITION

Visc @ 100°C	cSt	13.2	13.2	---	---
Base Number (BN)	mg KOH/g	7.1	---	---	---
Oxidation (PA)	%	61	59	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	78	59	---	---
Sulfation (PA)	%	52	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	13	10	---	---
Sodium	ppm	7	7	---	---
Potassium	ppm	5	0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	18	10	---	---
Copper	ppm	4	5	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	2	1	---	---
Aluminum	ppm	5	2	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	18	55	---	---
Nickel	ppm	1	0	---	---
Titanium	ppm	1	7	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1983	1346	---	---
Magnesium	ppm	1229	981	---	---
Zinc	ppm	1411	1187	---	---
Phosphorus	ppm	1323	1065	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	97	4	---	---

Depot: VP99031103

Unique No: 10968324

Signed: Jonathan Hester

Report Date: 12 Apr 2024

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**VOLVO
PENTA**

GRAPHS

