

OIL ANALYSIS REPORT

VOLVO PENTA

CHARLIE WICKERS PATRICK/502926-5750 CUMMINS D210918558 - GENSET

Sample No: VPA061945

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

SAMPLE INFORMATION

Sample Number	VPA061945	VPA060249	---	---
Sample Date	16 Apr 2024	21 Feb 2024	---	---
Machine Hours	215	259	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 13.0	---	---
Base Number (BN)	mg KOH/g	█ 7.9	█ 7.8	---	---
Oxidation (PA)	%	64	68	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	45	63	---	---
Sulfation (PA)	%	55	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 13	---	---
Sodium	ppm	█ <1	█ 6	---	---
Potassium	ppm	█ 6	█ 8	---	---

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 acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 2	█ 13	---	---
Copper	ppm	█ <1	█ 7	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 4	---	---
Chromium	ppm	█ 0	█ 1	---	---
Molybdenum	ppm	█ <1	█ 15	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 2190	█ 2724	---	---
Magnesium	ppm	█ 28	█ 238	---	---
Zinc	ppm	█ 1121	█ 1580	---	---
Phosphorus	ppm	█ 966	█ 1265	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 189	█ 179	---	---

Depot: VP794951
Unique No: 10990919
Signed: Angela Borella
Report Date: 24 Apr 2024

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GRAPHS

