

OIL ANALYSIS REPORT



BRANNON 585994 CUMMINS/ONAN L180460436 - GENSET

Sample No: VPA025261
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA025261	VPA020987	---	---
Sample Date	22 Apr 2024	30 Mar 2021	---	---
Machine Hours	677	88	---	---
Oil Hours	149	88	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	60	67	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	53	64	---	---
Sulfation (PA)	%	54	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 13	---	---
Sodium	ppm	█ 1	█ 6	---	---
Potassium	ppm	█ 0	█ 1	---	---

Diagnosis

No corrective action is recommended at this time. 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	█ 10	█ 9	---	---
Copper	ppm	█ <1	█ 8	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 73	42	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ 0	2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1288	1941	---	---
Magnesium	ppm	1000	557	---	---
Zinc	ppm	█ 1304	1149	---	---
Phosphorus	ppm	█ 1050	1012	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 51	60	---	---

Depot: VP648685
Unique No: 10995419
Signed: Sean Felton
Report Date: 26 Apr 2024

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VOLVO PENTA

GRAPHS

