

OIL ANALYSIS REPORT

VOLVO PENTA

MIKE ROWE TAP533854 CUMMINS G170214920 - GENSET

Sample No: VPA045736

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA045736	---	---	---
Sample Date	08 Jan 2024	---	---	---
Machine Hours	692	---	---	---
Oil Hours	692	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

FDDA TAMPA

TAMPA, FL
US
Contact: KYLE SUTLEY
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F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.2	---	---	---
Base Number (BN)	mg KOH/g	■ 9.7	---	---	---
Oxidation (PA)	%	56	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	44	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.2	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 54	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1058	---	---	---
Magnesium	ppm	■ 893	---	---	---
Zinc	ppm	■ 1231	---	---	---
Phosphorus	ppm	■ 1042	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 10	---	---	---

Depot: VP208641
Unique No: 10849224
Signed: Jonathan Hester
Report Date: 31 Jan 2024

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GRAPHS

