



CONSTRUCTION EQUIPMENT

LAFARGE CANADA INC 8000386100 VOLVO L220H 003543 - DIESEL ENGINE



Sample No: VCP381988
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000386100



SAMPLE INFORMATION

Sample Number	VCP381988	---	---	---
Sample Date	23 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.0	---	---	---
Oxidation (PA)	%	67	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	■ 0.0	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. We have assumed that this component is not breaking in (age of component not reported). Fuel content negligible. There is a moderate concentration of dirt present in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ 312	---	---	---
Lead	ppm	■ 8	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 86	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2129	---	---	---
Magnesium	ppm	■ 84	---	---	---
Zinc	ppm	■ 1165	---	---	---
Phosphorus	ppm	■ 956	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 26	---	---	---

Depot: VOLVO0252
Unique No: 5684038
Signed: Kevin Marson
Report Date: 28 Nov 2023



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GRAPHS

