



CONSTRUCTION EQUIPMENT

LAFARGE CANADA INC 392278 VOLVO L220H 003543 - DIESEL ENGINE



Sample No: VCP391993
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 392278



SAMPLE INFORMATION

Sample Number	VCP391993	VCP381988	---	---
Sample Date	23 Jan 2024	23 Nov 2023	---	---
Machine Hours	1017	0	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

STRONGCO EQUIPMENT (CE)

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 Burlington, ON
 CA L7L 4Y1
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OIL CONDITION

Visc @ 100°C	cSt	12.5	▲ 11.0	---	---
Oxidation (PA)	%	81	67	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0.1	---	---
Nitration (PA)	%	54	80	---	---
Sulfation (PA)	%	65	60	---	---
Glycol	%	NEG	0.0	---	---
Fuel	%	1	0.7	---	---
Silicon	ppm	6	▲ 26	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	1	3	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	5	14	---	---
Copper	ppm	66	312	---	---
Lead	ppm	2	8	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	45	86	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1733	2129	---	---
Magnesium	ppm	470	84	---	---
Zinc	ppm	1057	1165	---	---
Phosphorus	ppm	929	956	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	48	26	---	---

Depot: VOLVO0252
Unique No: 5720453
Signed: Wes Davis
Report Date: 29 Jan 2024



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GRAPHS

