



CONSTRUCTION EQUIPMENT

REGION OF WATERLOO 397031 VOLVO L150H 6830 - DIESEL ENGINE



Sample No: VCP392809
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 397031



SAMPLE INFORMATION

Sample Number	VCP392809	VCP333745	VCP275056	---
Sample Date	05 Mar 2024	15 Jul 2022	07 Jun 2021	---
Machine Hours	6000	3955	2401	---
Oil Hours	500	500	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Strongco Equipment

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 Breslau, ON
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OIL CONDITION

Visc @ 100°C	cSt	13.1	12.9	13.2	---
Oxidation (PA)	%	53	58	54	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	54	61	54	---
Sulfation (PA)	%	48	52	52	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	<1	2	2	---
Sodium	ppm	2	2	2	---
Potassium	ppm	<1	<1	<1	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	3	3	4	---
Copper	ppm	<1	2	2	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	58	55	56	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1117	1111	1153	---
Magnesium	ppm	850	824	865	---
Zinc	ppm	1134	1129	1216	---
Phosphorus	ppm	966	964	1002	---
Barium	ppm	0	0	0	---
Boron	ppm	5	6	7	---

Depot: CASKIT
Unique No: 5749325
Signed: Wes Davis
Report Date: 25 Mar 2024



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GRAPHS

