



CONSTRUCTION EQUIPMENT

660716 CITY OF LAKEL VOLVO L60H 622235 - DIESEL ENGINE



Sample No: VCP432114
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 660716 CITY OF LAKEL



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SAMPLE INFORMATION

Sample Number	VCP432114	VCP390721	---	---
Sample Date	22 Jan 2024	12 Jan 2023	---	---
Machine Hours	1925	1354	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 10.3	---	---
Oxidation (PA)	%	77	78	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.3	---	---
Nitration (PA)	%	63	64	---	---
Sulfation (PA)	%	58	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 9	█ 6	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 0	█ 0	---	---



WEAR METALS

Iron	ppm	█ 22	█ 12	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 8	█ 4	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ 42	█ 25	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1648	█ 1057	---	---
Magnesium	ppm	█ 536	█ 340	---	---
Zinc	ppm	█ 1122	█ 731	---	---
Phosphorus	ppm	█ 983	█ 638	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 39	█ 20	---	---

Diagnosis

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 suitable for further service.

Depot: VOLVO0093
Unique No: 10886296
Signed: Wes Davis
Report Date: 20 Feb 2024



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GRAPHS

