



CONSTRUCTION EQUIPMENT

RENTALS VOLVO L150H 7199 - DIESEL ENGINE



Sample No: VCP440303
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: RENTALS



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SAMPLE INFORMATION

Sample Number	VCP440303	VCP432655	---	---
Sample Date	19 Jun 2024	25 Aug 2023	---	---
Machine Hours	1620	401	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	● 11.5	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 6.3	---	---
Oxidation (PA)	%	80	53	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	63	76	---	---
Sulfation (PA)	%	61	49	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.5	---	---
Silicon	ppm	█ 6	█ 23	---	---
Sodium	ppm	█ 2	█ 5	---	---
Potassium	ppm	█ <1	█ 10	---	---



WEAR METALS

Iron	ppm	█ 8	█ 12	---	---
Copper	ppm	█ 12	▲ 232	---	---
Lead	ppm	█ 0	█ 4	---	---
Tin	ppm	█ 0	█ 2	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 41	█ 83	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1797	█ 2101	---	---
Magnesium	ppm	█ 503	24	---	---
Zinc	ppm	█ 1151	█ 1222	---	---
Phosphorus	ppm	█ 987	█ 975	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 34	█ 55	---	---

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: 11090617
Signed: Wes Davis
Report Date: 25 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

