



CONSTRUCTION EQUIPMENT

634633 B&C VOLVO A25G 752650 - DIESEL ENGINE



Sample No: VCP431594
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 634633 B&C



SAMPLE INFORMATION

Sample Number	VCP431594	VCP421518	---	---
Sample Date	28 Nov 2023	23 May 2023	---	---
Machine Hours	1460	543	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	▲ 10.7	---	---
Base Number (BN)	mg KOH/g	█ 6.9	█ 5.9	---	---
Oxidation (PA)	%	78	61	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.5	█ 0.3	---	---
Nitration (PA)	%	80	83	---	---
Sulfation (PA)	%	61	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.3	---	---
Silicon	ppm	█ 8	▲ 56	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ 1	█ 4	---	---



WEAR METALS

Iron	ppm	█ 19	█ 26	---	---
Copper	ppm	█ 48	▲ 136	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 1	█ 2	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 56	█ 83	---	---
Nickel	ppm	▲ 4	█ 1	---	---
Titanium	ppm	<1	6	---	---
Silver	ppm	█ <1	█ 1	---	---
Manganese	ppm	█ 1	█ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1797	█ 2180	---	---
Magnesium	ppm	█ 322	36	---	---
Zinc	ppm	█ 1084	█ 1148	---	---
Phosphorus	ppm	█ 871	█ 971	---	---
Barium	ppm	█ 2	█ 2	---	---
Boron	ppm	█ 17	█ 25	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Exhaust valve wear is indicated. All other 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 acceptable for the time in service.

Depot: VOLVO0096
Unique No: 10767962
Signed: Sean Felton
Report Date: 05 Dec 2023



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GRAPHS

