



CONSTRUCTION EQUIPMENT

W07013435-1 CORLSON VOLVO A25G 752800 - DIESEL ENGINE



Sample No: VCP414549
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07013435-1 CORLSON



SAMPLE INFORMATION

Sample Number	VCP414549	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	795	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 5.4	---	---	---
Oxidation (PA)	%	■ 63	---	---	---



CONTAMINATION

Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	■ 80	---	---	---
Sulfation (PA)	%	■ 59	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	▲ 42	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 5	---	---	---

Diagnosis

The oil 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. The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



WEAR METALS

Iron	ppm	■ 29	---	---	---
Copper	ppm	▲ 77	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	■ <1	---	---	---



ADDITIVES

Calcium	ppm	■ 2051	---	---	---
Magnesium	ppm	■ 55	---	---	---
Zinc	ppm	■ 1193	---	---	---
Phosphorus	ppm	■ 998	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 32	---	---	---

Depot: VOLVO8882
Unique No: 10695314
Signed: Don Baldrige
Report Date: 16 Oct 2023



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GRAPHS

