



CONSTRUCTION EQUIPMENT

35408 VOLVO A25G 752732 - DIESEL ENGINE



Sample No: VCP415161
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 35408



SAMPLE INFORMATION

Sample Number	VCP415161	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	2044	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE
 PENSACOLA, FL
 US 32534

Contact: HUGH DOBBS
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	79	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. 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 suitable for further service.



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	▲ 43	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 46	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1763	---	---	---
Magnesium	ppm	█ 500	---	---	---
Zinc	ppm	█ 1116	---	---	---
Phosphorus	ppm	█ 947	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 38	---	---	---

Depot: VOLVO8247
Unique No: 10656238
Signed: Jonathan Hester
Report Date: 21 Sep 2023



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GRAPHS

