



CONSTRUCTION EQUIPMENT

S50401893 AM WRECKIN VOLVO EC350EL 3 14505 - DIESEL ENGINE



Sample No: VCP441934
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401893 AM WRECKIN



SAMPLE INFORMATION

Sample Number	VCP441934	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	1015	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.0	---	---	---
Base Number (BN)	mg KOH/g	■ 7.9	---	---	---
Oxidation (PA)	%	■ 90	---	---	---

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. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 70	---	---	---
Sulfation (PA)	%	■ 64	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	▲ 56	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 1597	---	---	---
Magnesium	ppm	■ 463	---	---	---
Zinc	ppm	■ 1071	---	---	---
Phosphorus	ppm	■ 919	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 19	---	---	---

Depot: VOLVO4486
Unique No: 10724527
Signed: Jonathan Hester
Report Date: 07 Nov 2023



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VOLVO GRAPHS

