



CONSTRUCTION EQUIPMENT

X58251 VOLVO EC250ELR 310708 - DIESEL ENGINE



Sample No: VCP413437

Oil Type: NOT GIVEN

Job No: X58251



SAMPLE INFORMATION

Sample Number	VCP413437	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	2639	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



SCOTT EQUIPMENT COMPANY LLC - Saint Rose
 PO BOX 997
 SAINT ROSE, LA
 US 70087
 Contact: DANA FOSHEE
 dfoshee@scottcompanies.com
 T: (504)461-0961
 F: (504)461-0970



OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	90	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum 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 %	%	█ 0.3	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 18	---	---	---



WEAR METALS

Iron	ppm	█ 28	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 20	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 37	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1801	---	---	---
Magnesium	ppm	█ 578	---	---	---
Zinc	ppm	█ 990	---	---	---
Phosphorus	ppm	778	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 27	---	---	---

Depot: SCOSAI
Unique No: 10559737
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

