



CONSTRUCTION EQUIPMENT

X18276 KEY CONST VOLVO EC250ELR 310437 - FRONT RIGHT FINAL DRIVE



Sample No: VCP442325
Oil Type: GEAR OIL SAE 80W90
Job No: X18276 KEY CONST



SCOTT EQUIPMENT COMPANY LLC - Jackson
 3860 I-55 South
 JACKSON, MS
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SAMPLE INFORMATION

Sample Number	VCP442325	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	3841	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 159	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	◆ 218	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 8	---	---	---



WEAR METALS

Iron	ppm	▲ 524	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 22	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 91	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 30	---	---	---
Phosphorus	ppm	■ 1054	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 202	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8771
Unique No: 10871821
Signed: Sean Felton
Report Date: 12 Feb 2024



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GRAPHS

