



CONSTRUCTION EQUIPMENT

X58471 VOLVO EC250ELR 316068 - REAR LEFT FINAL DRIVE



Sample No: VCP405800
Oil Type: NOT GIVEN
Job No: X58471



SAMPLE INFORMATION

Sample Number	VCP405800	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	1719	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	223	---	---	---
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CONTAMINATION

Silicon	ppm	2203	---	---	---
Sodium	ppm	13	---	---	---
Potassium	ppm	31	---	---	---

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 advise that you inspect for the source(s) of wear. 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.



WEAR METALS

Iron	ppm	5924	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	185	---	---	---
Chromium	ppm	98	---	---	---
Molybdenum	ppm	12	---	---	---
Nickel	ppm	7	---	---	---
Titanium	ppm	22	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	61	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	23	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	17	---	---	---
Phosphorus	ppm	305	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: SCOSAI
Unique No: 10617615
Signed: Jonathan Hester
Report Date: 25 Aug 2023



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GRAPHS

