



CONSTRUCTION EQUIPMENT

X58881 VOLVO EC220EL 311040 - REAR RIGHT FINAL DRIVE



Sample No: VCP426045
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: X58881



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



SAMPLE INFORMATION

Sample Number	VCP426045	VCP317625	---	---
Sample Date	15 Nov 2023	23 Jul 2021	---	---
Machine Hours	6713	2189	---	---
Oil Hours	6713	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 342	█ 337	---	---
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CONTAMINATION

Water	%	▲ 0.433	NEG	---	---
Silicon	ppm	█ 735	█ 24	---	---
Sodium	ppm	█ 11	█ 0	---	---
Potassium	ppm	█ 24	█ <1	---	---



WEAR METALS

Iron	ppm	█ 3598	█ 125	---	---
Copper	ppm	█ 11	█ <1	---	---
Lead	ppm	█ 8	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 115	█ 7	---	---
Chromium	ppm	█ 15	█ 2	---	---
Molybdenum	ppm	█ 2	█ 1	---	---
Nickel	ppm	█ 12	<1	---	---
Titanium	ppm	█ 12	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 25	█ 1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 248	█ 48	---	---
Magnesium	ppm	█ 27	█ 14	---	---
Zinc	ppm	█ 53	█ 58	---	---
Phosphorus	ppm	█ 967	█ 949	---	---
Barium	ppm	█ 13	█ <1	---	---
Boron	ppm	█ 159	█ 299	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: SCOSAI
Unique No: 10751907
Signed: Jonathan Hester
Report Date: 22 Nov 2023



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GRAPHS

