



CONSTRUCTION EQUIPMENT

SPM595020 ROEBUCK VOLVO ECR145E 310615 - REAR RIGHT FINAL DRIVE



Sample No: VCP432650
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM595020 ROEBUCK



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP432650	VCP359950	---	---
Sample Date	22 Aug 2023	14 Apr 2022	---	---
Machine Hours	4306	3078	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 287	█ 289	---	---
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CONTAMINATION

Silicon	ppm	█ 22	█ 10	---	---
Sodium	ppm	█ 4	█ 0	---	---
Potassium	ppm	█ 0	█ 0	---	---



WEAR METALS

Iron	ppm	▲ 643	█ 243	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ 5	█ 2	---	---
Molybdenum	ppm	█ 1	█ <1	---	---
Nickel	ppm	█ 2	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 6	█ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 70	█ 66	---	---
Magnesium	ppm	█ 0	█ 0	---	---
Zinc	ppm	█ 31	32	---	---
Phosphorus	ppm	█ 1010	█ 924	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 145	█ 95	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10621725
Signed: Don Baldrige
Report Date: 29 Aug 2023



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GRAPHS

