



CONSTRUCTION EQUIPMENT

SW0069350 VOLVO EC300ELR 311843 - REAR RIGHT FINAL DRIVE



Sample No: VCP430874
Oil Type: COWIN 80W90
Job No: SW0069350



SAMPLE INFORMATION

Sample Number	VCP430874	VCP415146	VCP422345	VCP421750
Sample Date	09 Feb 2024	06 Oct 2023	22 Sep 2023	21 Apr 2023
Machine Hours	5843	5383	5320	4800
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	NORMAL	SEVERE	SEVERE

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	130	137	143	134
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CONTAMINATION

Water	%	0.121	NEG	NEG	NEG
Silicon	ppm	333	22	625	456
Sodium	ppm	3	<1	11	15
Potassium	ppm	7	2	14	10



WEAR METALS

Iron	ppm	753	78	2471	1170
Copper	ppm	2	2	5	2
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	64	3	96	99
Chromium	ppm	11	<1	26	18
Molybdenum	ppm	19	20	8	8
Nickel	ppm	1	0	3	1
Titanium	ppm	6	<1	9	8
Silver	ppm	0	0	0	0
Manganese	ppm	6	<1	17	11
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	267	281	212	240
Magnesium	ppm	78	85	34	46
Zinc	ppm	157	184	63	75
Phosphorus	ppm	1095	972	961	921
Barium	ppm	12	0	0	0
Boron	ppm	137	169	164	150

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. 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. There is a trace of moisture present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: SAIBIR

Unique No: 10876576

Signed: Jonathan Hester

Report Date: 16 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

