



# CONSTRUCTION EQUIPMENT

## W07013940-1 VESS VOLVO EC220EL 310297 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP350699  
**Oil Type:** GEAR OIL SAE 75W80  
**Job No:** W07013940-1 VESS



### SAMPLE INFORMATION

Sample Number	<b>VCP350699</b>	VCP358581	VCP321329	VCP306950
Sample Date	<b>13 Dec 2023</b>	16 Aug 2022	28 Jul 2021	08 Mar 2021
Machine Hours	<b>5969</b>	5245	4501	4017
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ABNORMAL

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>127</b>	51.6	50.3	53.7
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	5	17	<b>205</b>
Sodium	ppm	<b>0</b>	<1	3	5
Potassium	ppm	<b>&lt;1</b>	<1	1	13

### Diagnosis

Resample at the next service interval to monitor. All 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.



### WEAR METALS

Iron	ppm	<b>93</b>	63	125	<b>1234</b>
Copper	ppm	<b>&lt;1</b>	<1	<1	2
Lead	ppm	<b>0</b>	<1	<1	1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	3	<b>101</b>
Chromium	ppm	<b>&lt;1</b>	<1	1	<b>17</b>
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	<1	1	<b>11</b>
Silver	ppm	<b>0</b>	<1	<1	0
Manganese	ppm	<b>0</b>	<1	1	11
Vanadium	ppm	<b>0</b>	0	0	1



### ADDITIVES

Calcium	ppm	<b>38</b>	43	8	20
Magnesium	ppm	<b>2</b>	3	1	7
Zinc	ppm	<b>3</b>	22	4	32
Phosphorus	ppm	<b>1104</b>	2319	2342	2023
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>221</b>	281	300	162

**Depot:** VOLVO8882  
**Unique No:** 10794980  
**Signed:** Jonathan Hester  
**Report Date:** 21 Dec 2023



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## VOLVO GRAPHS

