



# CONSTRUCTION EQUIPMENT

## VOLVO EW220E 27094 - FRONT DIFFERENTIAL



**Sample No:** VCP201409  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP201409</b>	VCE65520	---	---
Sample Date	<b>15 May 2023</b>	31 Oct 2022	---	---
Machine Hours	<b>4631</b>	3798	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**CITY OF REGINA - FLEET SERVICES DEPT**  
 2476 VICTORIA AVENUE, BOX 1790  
 REGINA, SK  
 CA S4P 3C8  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>54.5</b>	■ 58.6	---	---
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### CONTAMINATION

Silicon	ppm	■ <b>9</b>	■ 9	---	---
Sodium	ppm	■ <b>16</b>	■ 17	---	---
Potassium	ppm	■ <b>3</b>	■ 3	---	---

### 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>22</b>	■ 19	---	---
Copper	ppm	■ <b>4</b>	■ 4	---	---
Lead	ppm	■ <b>0</b>	■ 0	---	---
Tin	ppm	■ <b>0</b>	■ 0	---	---
Aluminum	ppm	■ <b>1</b>	■ 1	---	---
Chromium	ppm	■ <b>1</b>	■ <1	---	---
Molybdenum	ppm	■ <b>&lt;1</b>	■ <1	---	---
Nickel	ppm	■ <b>&lt;1</b>	■ <1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	■ <b>6</b>	6	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	■ <b>3579</b>	■ 3762	---	---
Magnesium	ppm	■ <b>12</b>	■ 11	---	---
Zinc	ppm	■ <b>1430</b>	■ 1461	---	---
Phosphorus	ppm	■ <b>1197</b>	■ 1279	---	---
Barium	ppm	■ <b>1</b>	■ <1	---	---
Boron	ppm	■ <b>104</b>	■ 106	---	---

**Depot:** CITREG  
**Unique No:** 5632562  
**Signed:** Wes Davis  
**Report Date:** 30 Aug 2023



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## GRAPHS

