



# CONSTRUCTION EQUIPMENT

## SWA599244-10 VOLVO EC220E 314027 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP416995  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA599244-10



### SAMPLE INFORMATION

Sample Number	<b>VCP416995</b>	VCP408560	VCP323594	VCP313825
Sample Date	<b>05 Jun 2024</b>	27 Apr 2023	21 Sep 2021	15 Apr 2021
Machine Hours	<b>8200</b>	6997	4100	3159
Oil Hours	<b>2000</b>	0	1000	1000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ULSTER COUNTY RESOURCE RECOVERY AGENCY**  
 999 FLATBUSH AVE  
 KINGSTON, NY  
 US 12401  
 Contact: CHARLES WHITTAKER  
 cwhf@ucrra.net  
 T: (845)399-2686  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>142</b>	154	165	295
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>65</b>	3	2	3
Sodium	ppm	<b>2</b>	2	<1	2
Potassium	ppm	<b>4</b>	2	0	<1

### 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>119</b>	39	26	38
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>9</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	1	0	<1
Nickel	ppm	<b>0</b>	1	0	<1
Titanium	ppm	<b>1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>28</b>	89	41	191
Magnesium	ppm	<b>4</b>	26	14	56
Zinc	ppm	<b>15</b>	65	20	71
Phosphorus	ppm	<b>1112</b>	1050	1027	976
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>232</b>	180	186	198

**Depot:** ULSKIN  
**Unique No:** 11072501  
**Signed:** Wes Davis  
**Report Date:** 12 Jun 2024



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## VOLVO GRAPHS

