



# CONSTRUCTION EQUIPMENT

## W02007629 VOLVO EC220 314210 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP425049  
**Oil Type:** MOBIL GO 102  
**Job No:** W02007629



### SAMPLE INFORMATION

Sample Number	<b>VCP425049</b>	VCP273297	---	---
Sample Date	<b>19 Oct 2023</b>	04 Aug 2020	---	---
Machine Hours	<b>2595</b>	633	---	---
Oil Hours	<b>0</b>	633	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS**  
 8450 QUARRY ROAD  
 MANASSAS, VA  
 US 20110  
 Contact: MIKE MAYHUGH  
 MMAYHUGH@MCCLUNG-LOGAN.COM  
 T: (703)393-7344  
 F: (703)393-7844



### OIL CONDITION

Visc @ 40°C	cSt	<b>48.5</b>	171	---	---
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### CONTAMINATION

Silicon	ppm	<b>29</b>	21	---	---
Sodium	ppm	<b>0</b>	3	---	---
Potassium	ppm	<b>2</b>	3	---	---



### WEAR METALS

Iron	ppm	<b>101</b>	385	---	---
Copper	ppm	<b>&lt;1</b>	<1	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>2</b>	4	---	---
Chromium	ppm	<b>&lt;1</b>	4	---	---
Molybdenum	ppm	<b>&lt;1</b>	0	---	---
Nickel	ppm	<b>&lt;1</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	5	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>267</b>	9	---	---
Magnesium	ppm	<b>2</b>	1	---	---
Zinc	ppm	<b>179</b>	12	---	---
Phosphorus	ppm	<b>2351</b>	428	---	---
Barium	ppm	<b>9</b>	<1	---	---
Boron	ppm	<b>195</b>	2	---	---

### 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.

**Depot:** VOLVO0002  
**Unique No:** 10709573  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023

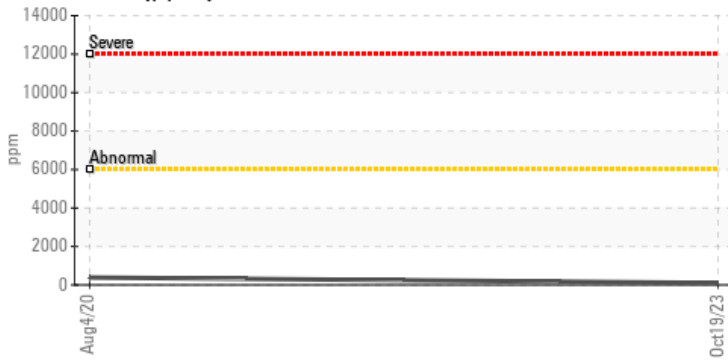


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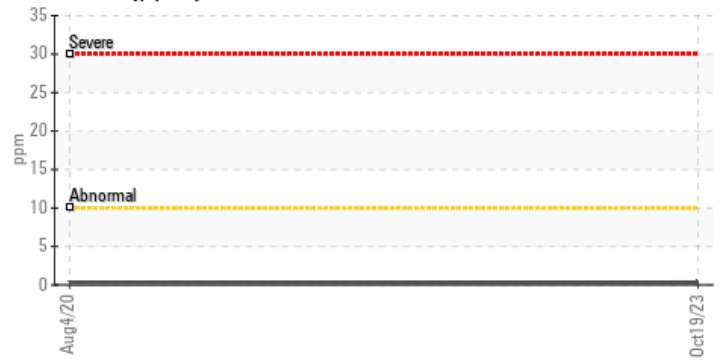


## GRAPHS

### Iron (ppm)



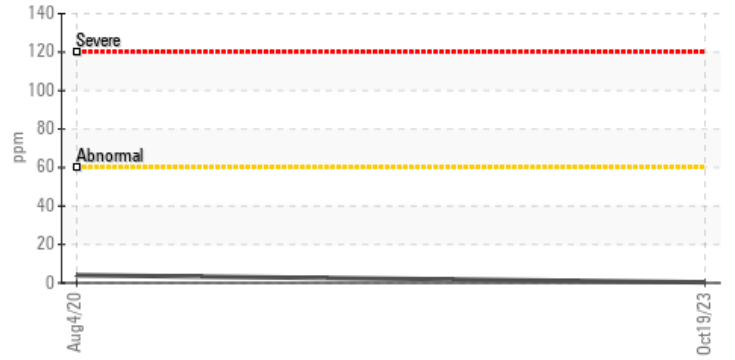
### Lead (ppm)



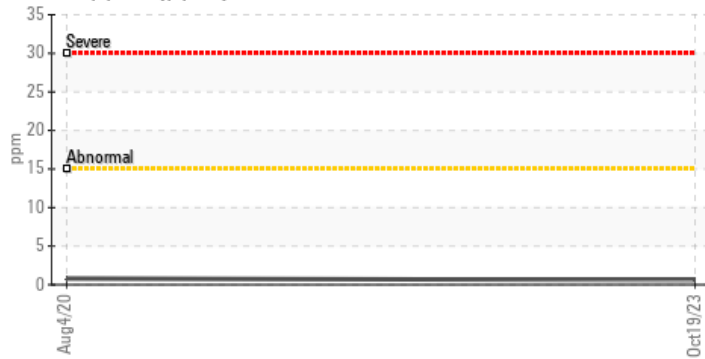
### Aluminum (ppm)



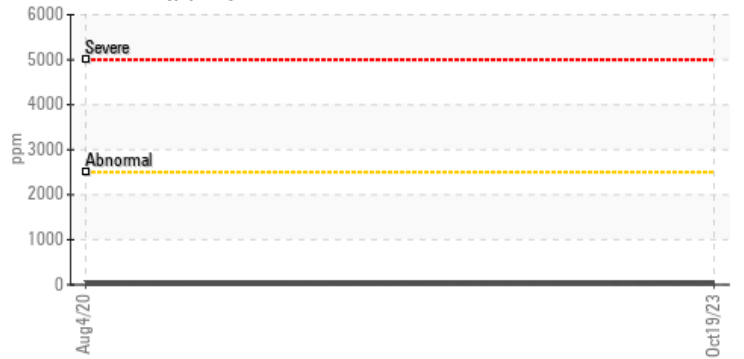
### Chromium (ppm)



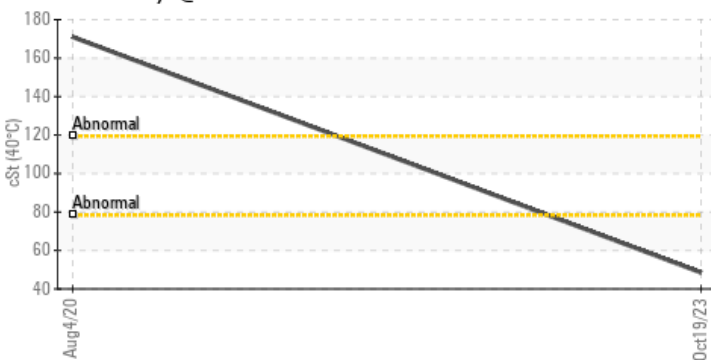
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

