



# CONSTRUCTION EQUIPMENT

IMPORT AUTO VOLVO EC220E 310953 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP437842  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** IMPORT AUTO



## SAMPLE INFORMATION

Sample Number	<b>VCP437842</b>	VCP334695	---	---
Sample Date	<b>26 Feb 2024</b>	20 Jul 2021	---	---
Machine Hours	<b>3107</b>	1253	---	---
Oil Hours	<b>0</b>	1253	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	ABNORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>291</b>	186	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>33</b>	117	---	---
Sodium	ppm	<b>0</b>	2	---	---
Potassium	ppm	<b>0</b>	4	---	---

## 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>444</b>	1109	---	---
Copper	ppm	<b>0</b>	2	---	---
Lead	ppm	<b>0</b>	1	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>3</b>	17	---	---
Chromium	ppm	<b>4</b>	16	---	---
Molybdenum	ppm	<b>2</b>	<1	---	---
Nickel	ppm	<b>0</b>	3	---	---
Titanium	ppm	<b>&lt;1</b>	1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>4</b>	13	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



## ADDITIVES

Calcium	ppm	<b>93</b>	69	---	---
Magnesium	ppm	<b>34</b>	<1	---	---
Zinc	ppm	<b>69</b>	11	---	---
Phosphorus	ppm	<b>1020</b>	267	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>119</b>	10	---	---

**Depot:** VOLVO0093  
**Unique No:** 10996166  
**Signed:** Wes Davis  
**Report Date:** 26 Apr 2024

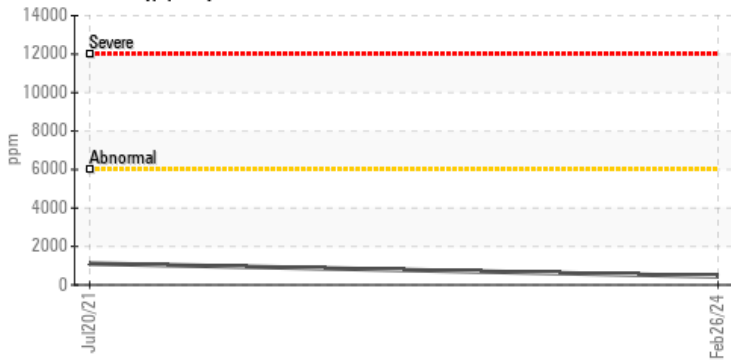


# CONSTRUCTION EQUIPMENT

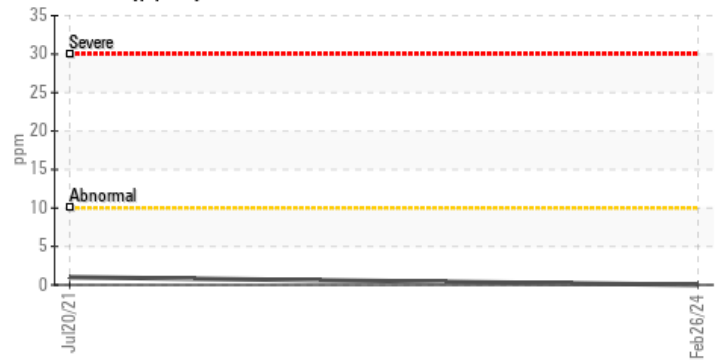


## GRAPHS

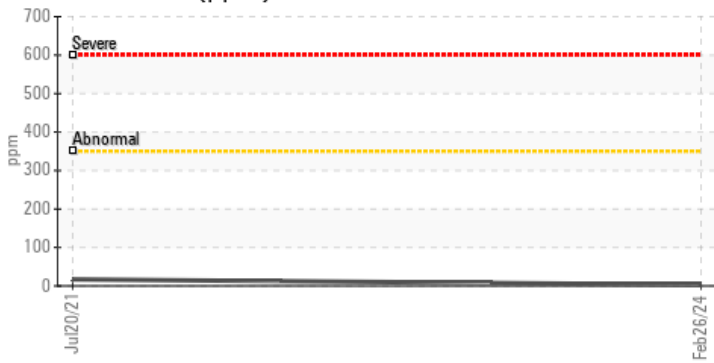
### Iron (ppm)



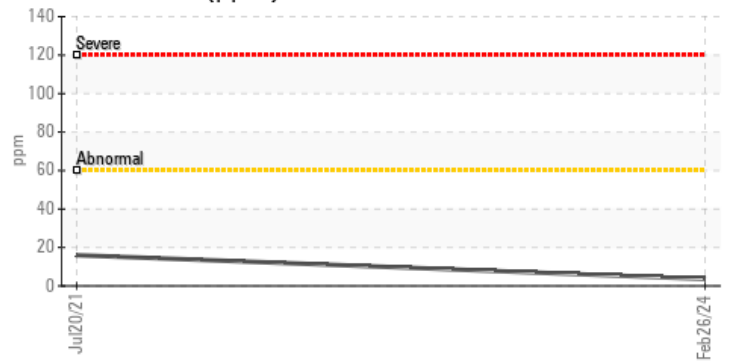
### Lead (ppm)



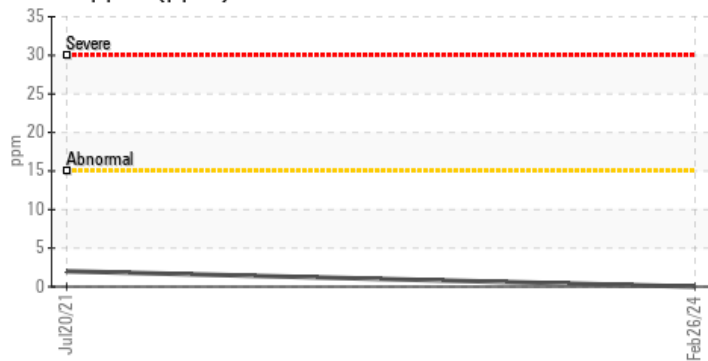
### Aluminum (ppm)



### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

