



# CONSTRUCTION EQUIPMENT

SW1027121 UPULL/PAY VOLVO EC220EL 310461 - REAR RIGHT FINAL DRIVE



**Sample No:** VCE196093  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW1027121 UPULL/PAY



## SAMPLE INFORMATION

Sample Number	VCE196093	---	---	---
Sample Date	19 Dec 2023	---	---	---
Machine Hours	6369	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**ARNOLD MACHINERY COMPANY**  
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## OIL CONDITION

Visc @ 40°C	cSt	▲ 54.7	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	■ 34	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 11	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 19	---	---	---
Phosphorus	ppm	■ 2229	---	---	---
Barium	ppm	■ 10	---	---	---
Boron	ppm	■ 178	---	---	---

## Diagnosis

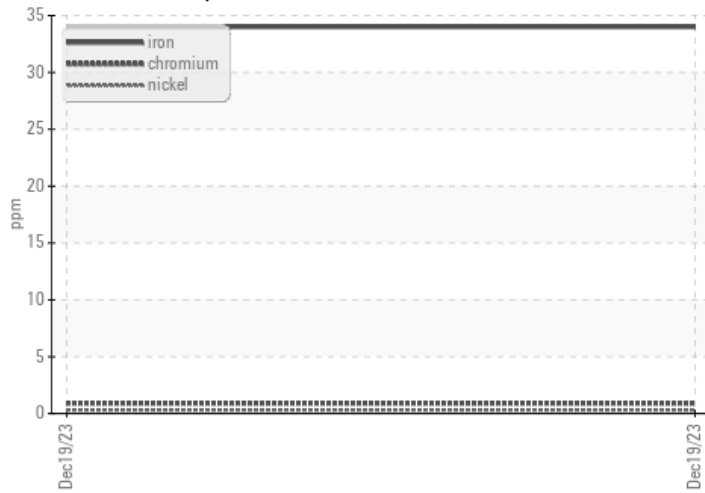
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO6174  
**Unique No:** 10807693  
**Signed:** Don Baldrige  
**Report Date:** 29 Dec 2023

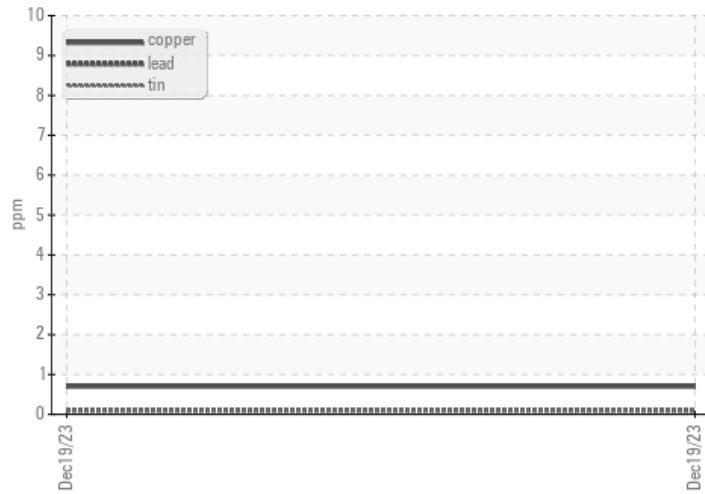


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### ▲ Viscosity @ 40°C

