



# CONSTRUCTION EQUIPMENT

## 12010 VOLVO ECR145D 210173 - SWING DRIVE



**Sample No:** VCP446409  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 12010



### SAMPLE INFORMATION

Sample Number	VCP446409	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	5873	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
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 T: (610)363-9200  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 171	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	29	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---

### Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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	▲ 541	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	8	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	8	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	28	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	62	---	---	---
Phosphorus	ppm	534	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	10	---	---	---

**Depot:** VOLVO8879  
**Unique No:** 10979132  
**Signed:** Sean Felton  
**Report Date:** 17 Apr 2024

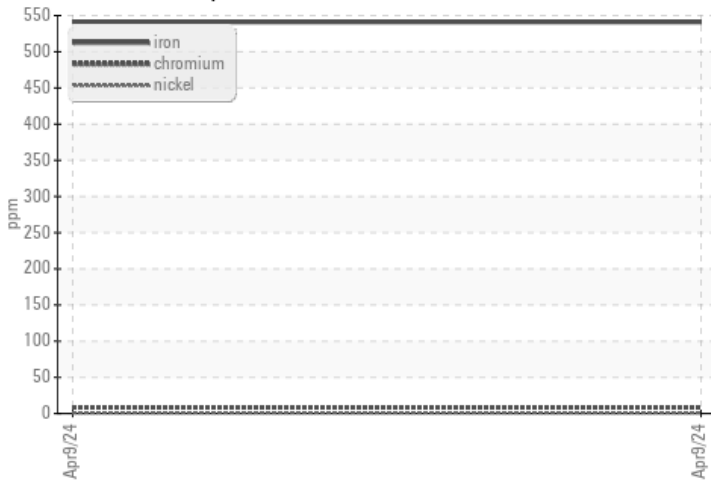


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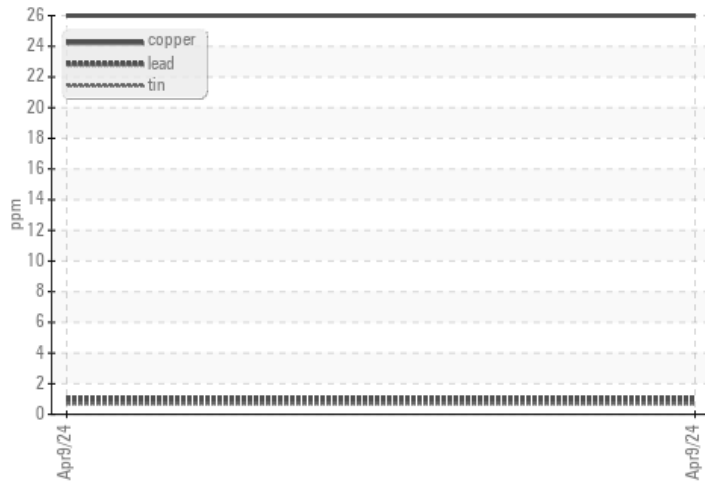


## GRAPHS

### ▲ Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

