



# CONSTRUCTION EQUIPMENT

## 12010 VOLVO ECR145D 210173 - LEFT GEARBOX



**Sample No:** VCP446410  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 12010



### SAMPLE INFORMATION

Sample Number	VCP446410	---	---	---
Sample Date	10 Apr 2024	---	---	---
Machine Hours	5873	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 209	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 31	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 28	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



### WEAR METALS

Iron	ppm	▲ 475	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 107	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 119	---	---	---
Phosphorus	ppm	595	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 69	---	---	---

**Depot:** VOLVO8879  
**Unique No:** 10979133  
**Signed:** Sean Felton  
**Report Date:** 17 Apr 2024



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## GRAPHS

