



# CONSTRUCTION EQUIPMENT

## 9832 VOLVO EC380E 314576 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP423109  
**Oil Type:** CHEVRON DELO GEAR ESI OIL 85W140  
**Job No:** 9832



### SAMPLE INFORMATION

Sample Number	VCP423109	VCP365957	---	---
Sample Date	23 Oct 2023	05 Oct 2022	---	---
Machine Hours	2092	560	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

### GAINES & CO

112 WESTMINISTER RD  
 REISTERSTOWN, MD  
 US 21136  
 Contact: MICHAEL GLADFELTER



### OIL CONDITION

Visc @ 40°C	cSt	309	175	---	---
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T: (410)833-9833  
 F: (410)833-9822



### CONTAMINATION

Silicon	ppm	292	14	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	14	2	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	1221	208	---	---
Copper	ppm	2	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	49	2	---	---
Chromium	ppm	20	6	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	2	1	---	---
Titanium	ppm	5	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	11	5	---	---
Vanadium	ppm	0	<1	---	---



### ADDITIVES

Calcium	ppm	17	7	---	---
Magnesium	ppm	5	2	---	---
Zinc	ppm	0	12	---	---
Phosphorus	ppm	1035	295	---	---
Barium	ppm	2	11	---	---
Boron	ppm	140	2	---	---

**Depot:** GAICOC  
**Unique No:** 10715010  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023

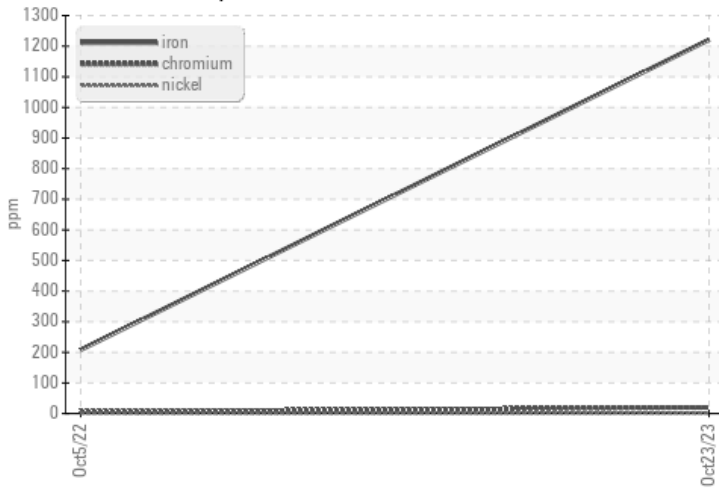


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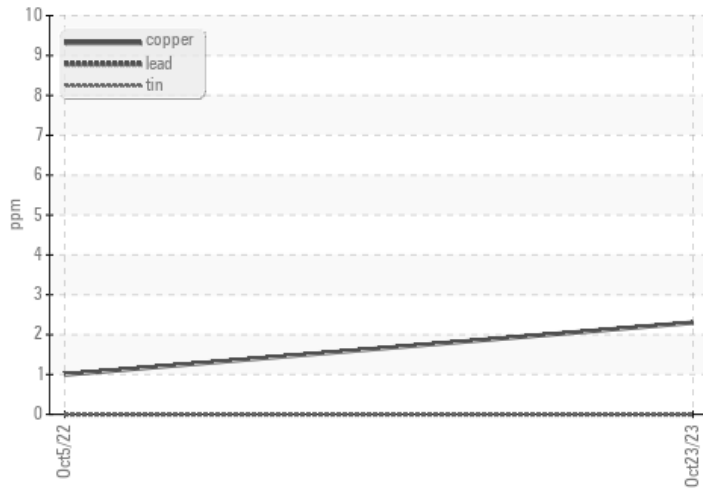


## GRAPHS

### ▲ Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

