



# CONSTRUCTION EQUIPMENT

X28979 CASE CX170E 8F1209 - HYDRAULIC SYSTEM



**Sample No:** VCP381271  
**Oil Type:** CASE CASE IH HY-TRAN ULTRA  
**Job No:** X28979



## SAMPLE INFORMATION

Sample Number	VCP381271	---	---	---
Sample Date	23 Feb 2024	---	---	---
Machine Hours	137	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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 T:  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 50.4	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.52	---	---	---



## CONTAMINATION

Water	%	▲ 5.73	---	---	---
Silicon	ppm	■ <1	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 0	---	---	---



## WEAR METALS

Iron	ppm	■ <1	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 15	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 274	---	---	---
Phosphorus	ppm	■ 227	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 0	---	---	---

## Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO2603  
**Unique No:** 10899786  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024

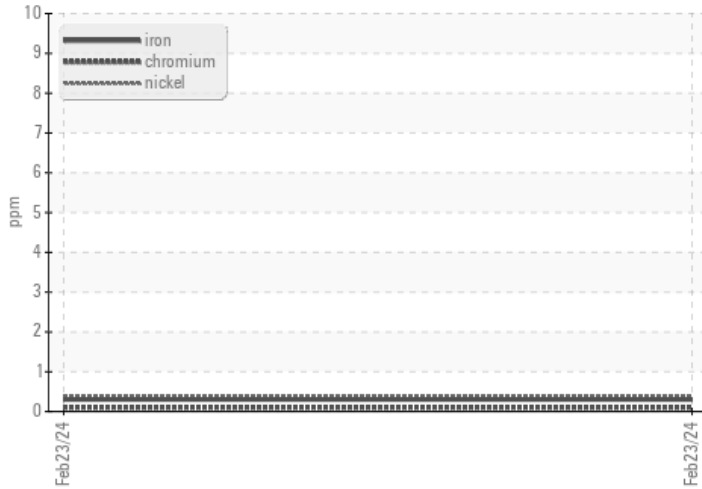


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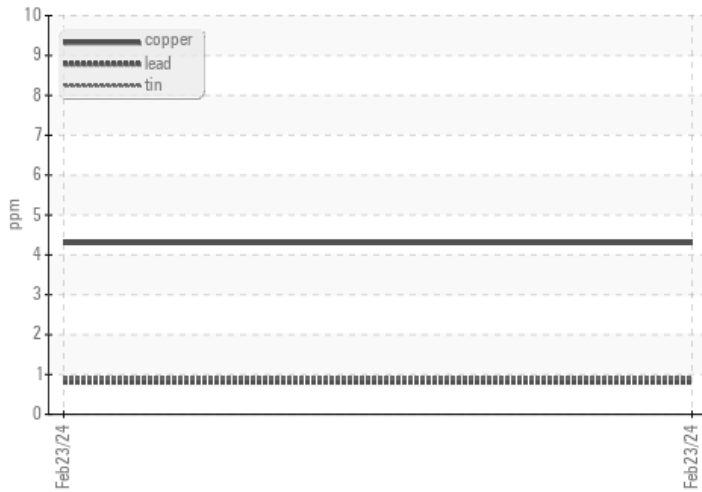


## GRAPHS

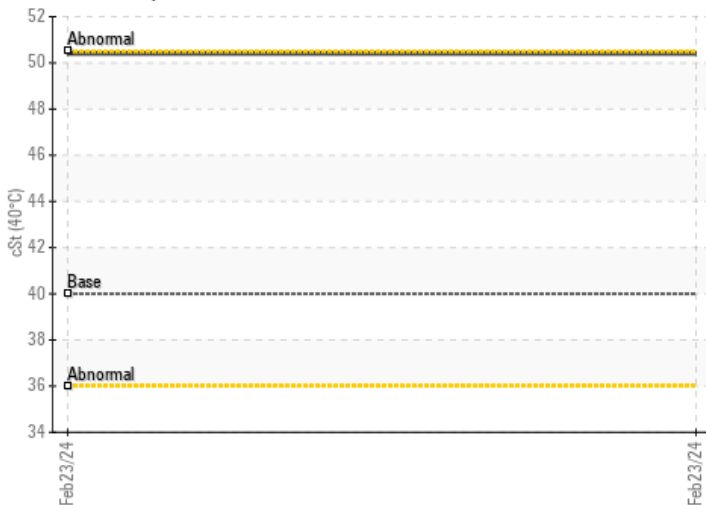
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

