



# CONSTRUCTION EQUIPMENT

## X29298 CASE CX220E 8H1120 - HYDRAULIC SYSTEM



**Sample No:** VCP266389  
**Oil Type:** {unknown}  
**Job No:** X29298



### SAMPLE INFORMATION

Sample Number	VCP266389	---	---	---
Sample Date	14 May 2024	---	---	---
Machine Hours	943	---	---	---
Oil Hours	943	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.38	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3608	---	---	---
Particles >6µm		█ 147	---	---	---
Particles >14µm		█ 8	---	---	---
ISO 4406:1999 (c)		19/14/10	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	334	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	241	---	---	---
Phosphorus	ppm	308	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	11	---	---	---

**Depot:** VOLVO2603  
**Unique No:** 11034062  
**Signed:** Wes Davis  
**Report Date:** 22 May 2024

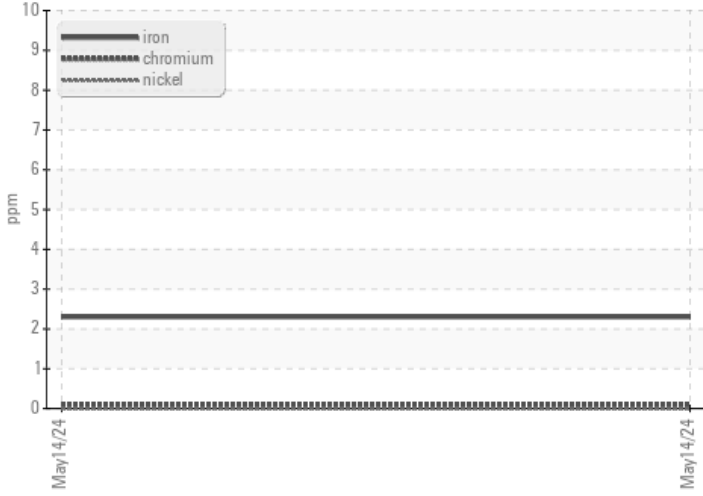


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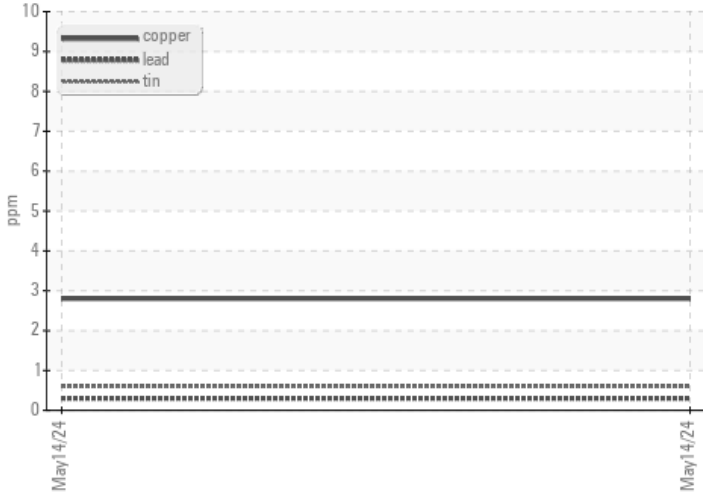


## VOLVO GRAPHS

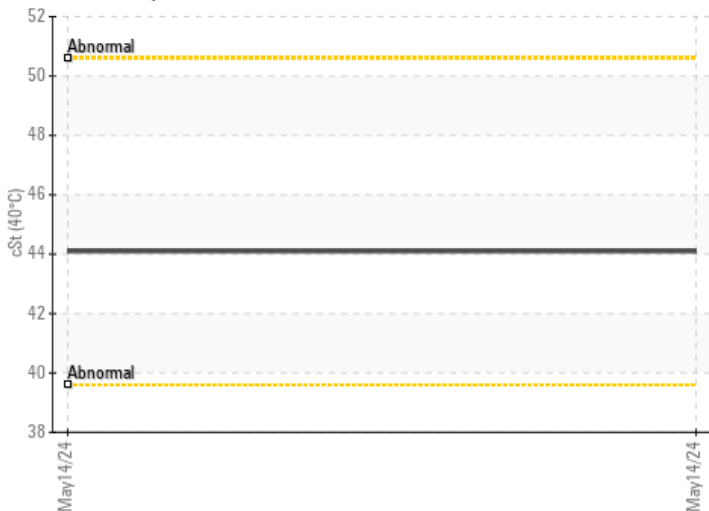
### Ferrous Alloys



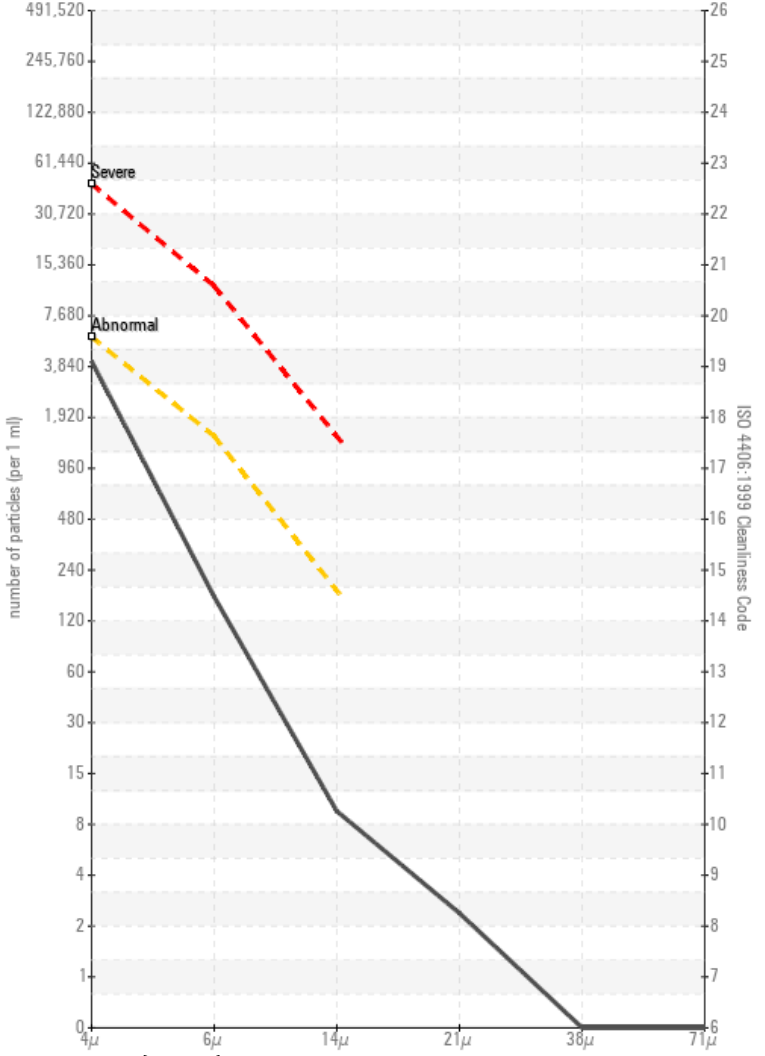
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

