



# CONSTRUCTION EQUIPMENT

## SW67881 BROWNS T-45 - HYDRAULIC SYSTEM



**Sample No:** VCP06026329  
**Oil Type:** NOT GIVEN  
**Job No:** SW67881 BROWNS



### SAMPLE INFORMATION

Sample Number	VCP06026329	---	---	---
Sample Date	05 Dec 2023	---	---	---
Machine Hours	4620	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY  
 BIRMINGHAM, AL  
 US 35217  
 Contact: BRANTLY CLAY  
 bclay@cowin.com  
 T:  
 F: (205)856-2106



### OIL CONDITION

Visc @ 40°C	cSt	█ 47.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.65	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3037	---	---	---
Particles >6µm		█ 546	---	---	---
Particles >14µm		█ 20	---	---	---
ISO 4406:1999 (c)		19/16/11	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	90	---	---	---
Magnesium	ppm	98	---	---	---
Zinc	ppm	587	---	---	---
Phosphorus	ppm	445	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO8528  
**Unique No:** 10776120  
**Signed:** Wes Davis  
**Report Date:** 07 Dec 2023

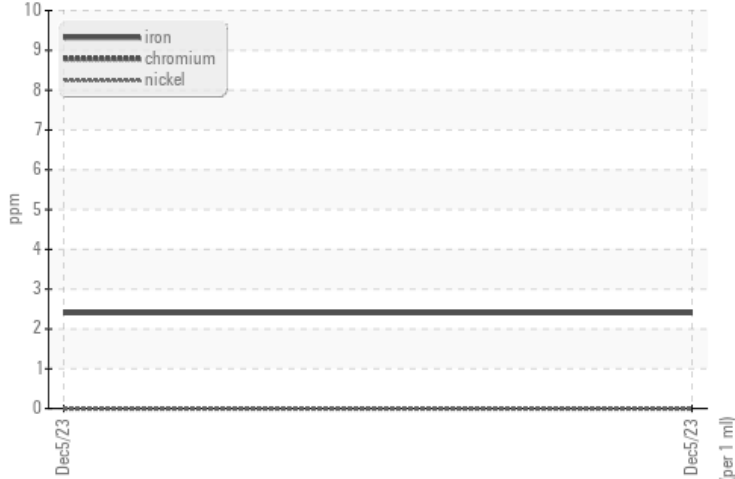


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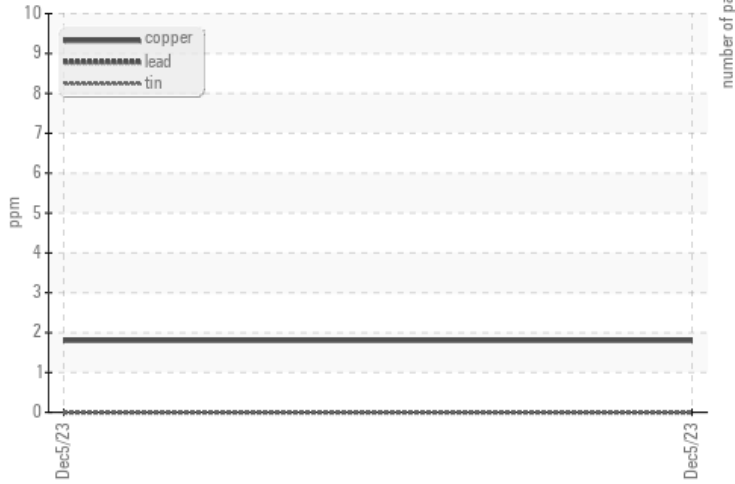


## GRAPHS

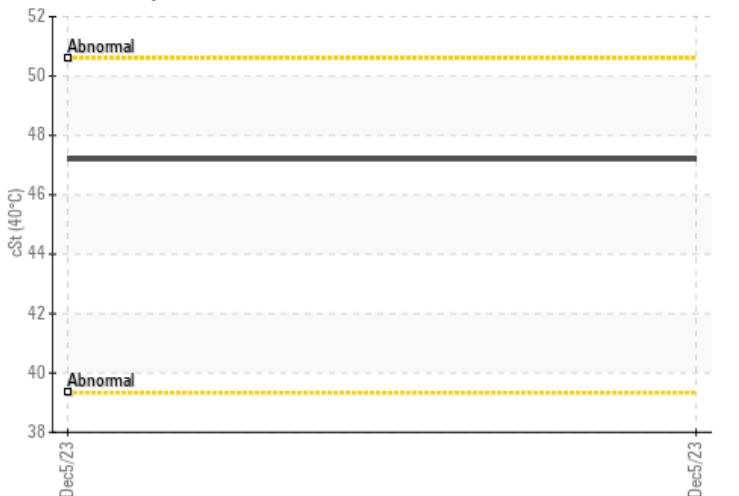
### Ferrous Alloys



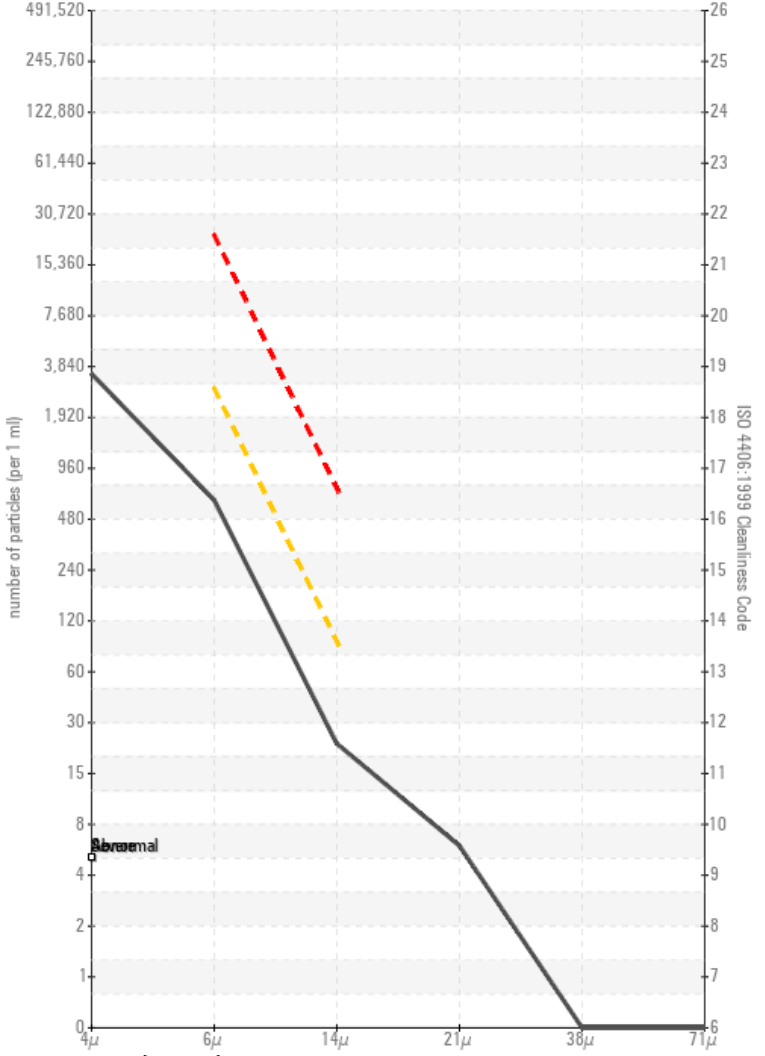
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

