



# CONSTRUCTION EQUIPMENT

## GREEN CIRCLE DEMO KOBELCO SK350 YL12-10154 - HYDRAULIC SYSTEM



**Sample No:** VCP433932  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** GREEN CIRCLE DEMO



### SAMPLE INFORMATION

Sample Number	VCP433932	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### 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	█ 42.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 81300	---	---	---
Particles >6µm		▲ 5573	---	---	---
Particles >14µm		█ 18	---	---	---
ISO 4406:1999 (c)		24/20/11	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 80	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 276	---	---	---
Phosphorus	ppm	█ 242	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

**Depot:** VOLVO8528  
**Unique No:** 10768148  
**Signed:** Jonathan Hester  
**Report Date:** 06 Dec 2023

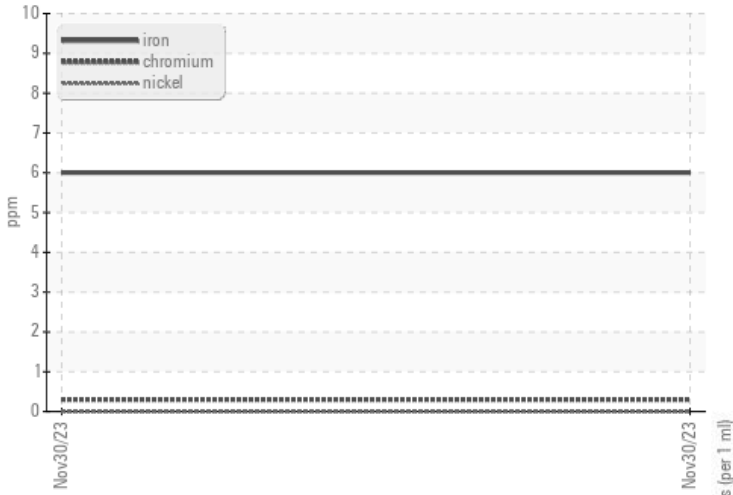


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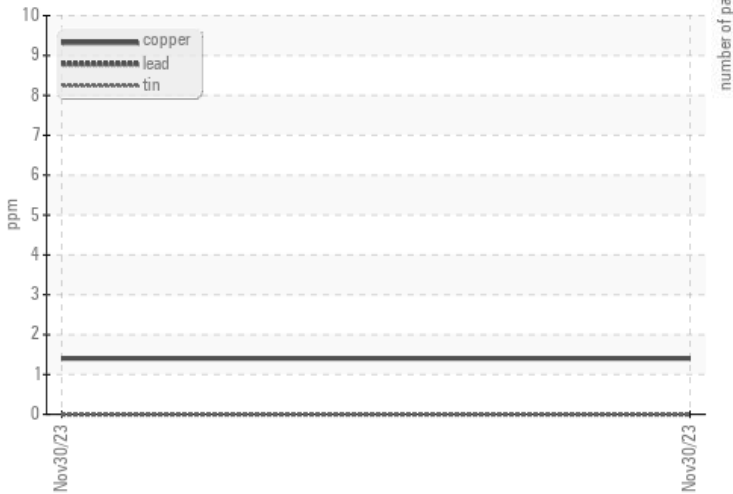


## VOLVO GRAPHS

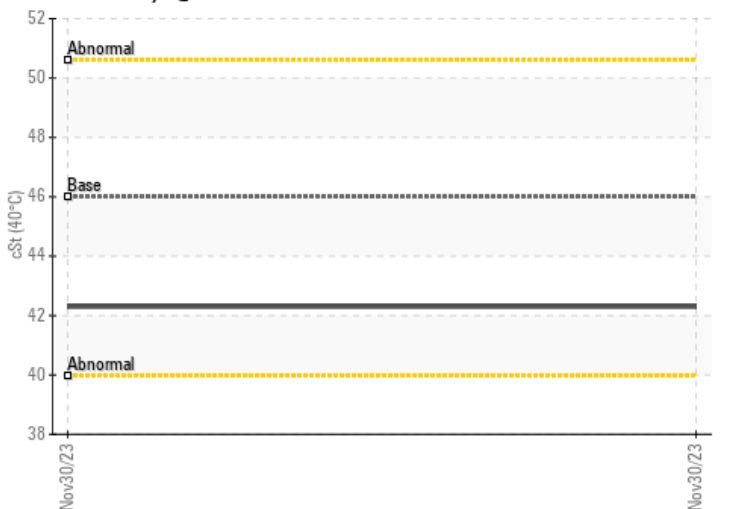
### Ferrous Alloys



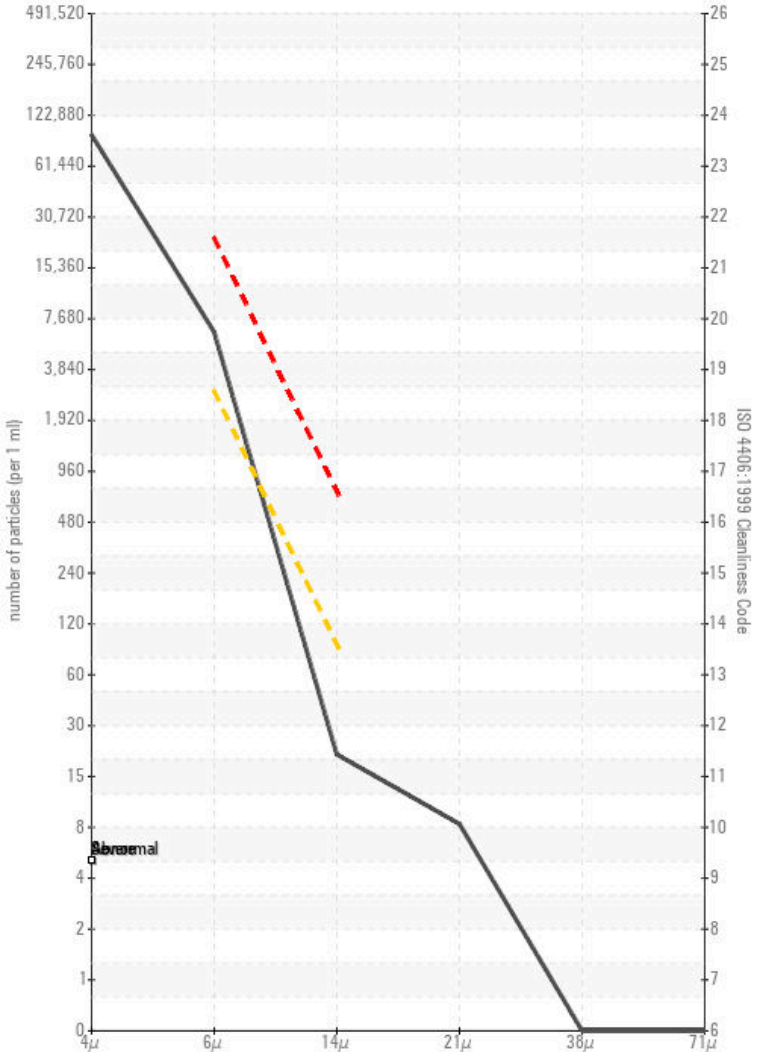
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

