



# CONSTRUCTION EQUIPMENT

SWO-069634 HERC VOLVO L350H 314244 - HYDRAULIC SYSTEM



**Sample No:** VCP444431  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWO-069634 HERC



## SAMPLE INFORMATION

Sample Number	VCP444431	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	3242	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

### 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	■ 39.8	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.42	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 32477	---	---	---
Particles >6µm		▲ 3317	---	---	---
Particles >14µm		▲ 89	---	---	---
ISO 4406:1999 (c)		22/19/14	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates 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	■ 4	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 276	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 449	---	---	---
Phosphorus	ppm	■ 377	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

**Depot:** VOLVO8528  
**Unique No:** 10882942  
**Signed:** Don Baldrige  
**Report Date:** 16 Feb 2024

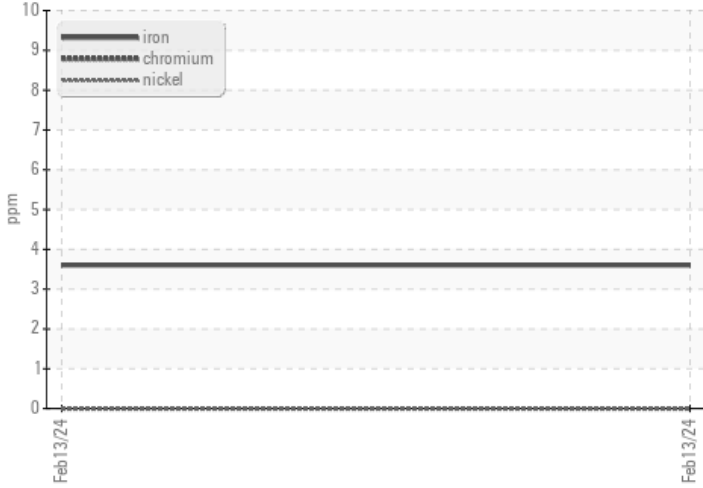


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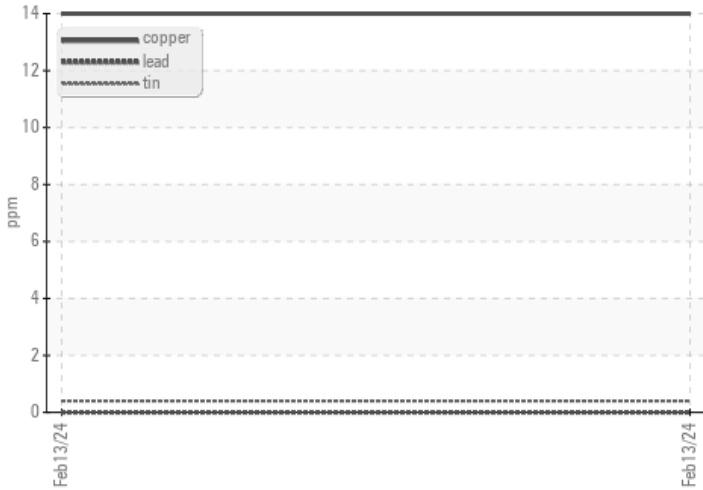


## VOLVO GRAPHS

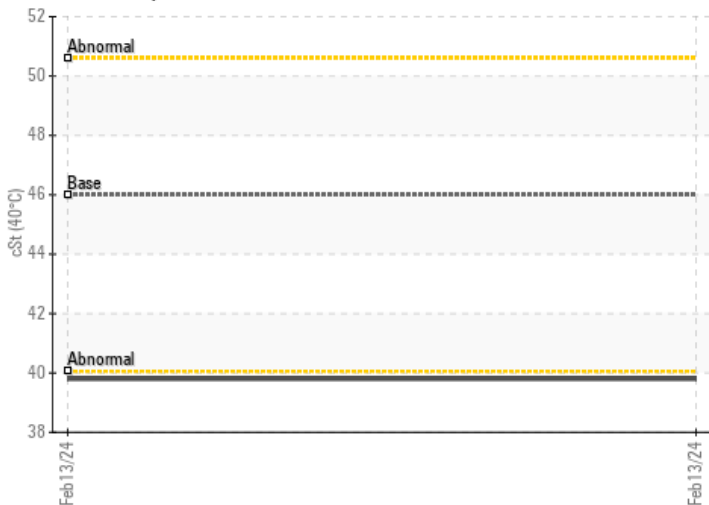
### Ferrous Alloys



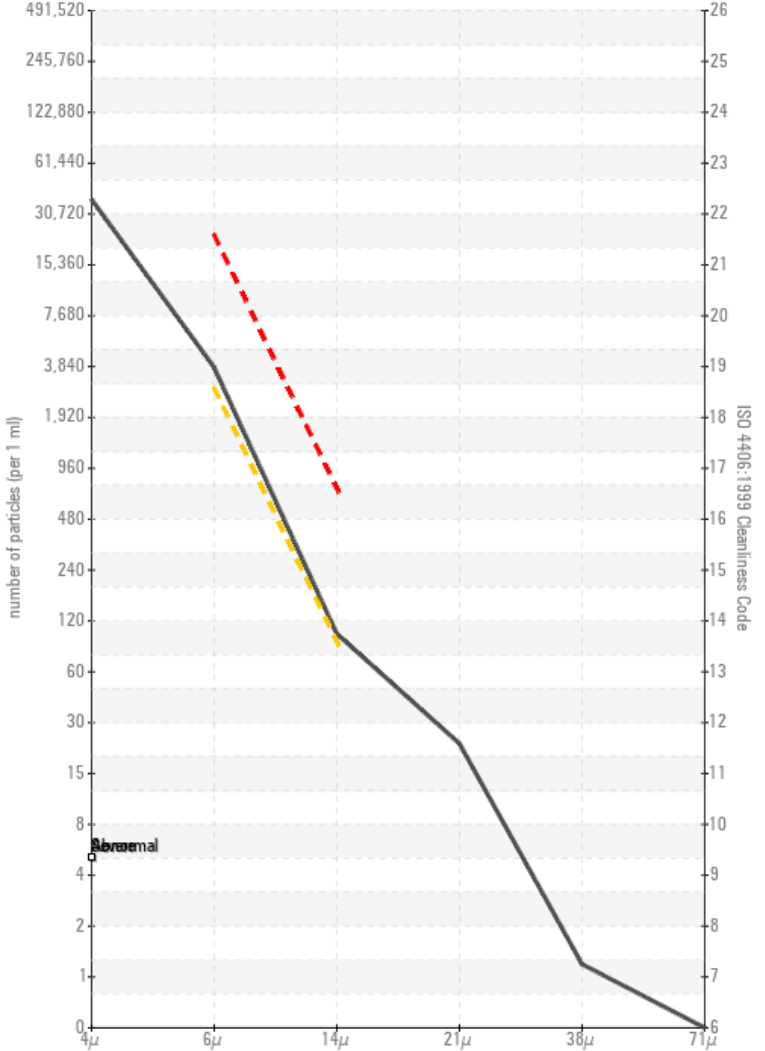
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

