



# CONSTRUCTION EQUIPMENT

## 400846 VOLVO ECR235E 315496 - HYDRAULIC SYSTEM



**Sample No:** VCP431265  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 400846



### SAMPLE INFORMATION

Sample Number	VCP431265	---	---	---
Sample Date	27 Oct 2023	---	---	---
Machine Hours	1024	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 46.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.62	---	---	---



### CONTAMINATION

Particles >4µm		▲ 48102	---	---	---
Particles >6µm		▲ 13946	---	---	---
Particles >14µm		█ 889	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
 All component wear rates are normal. There is a light 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	█ 0	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 113	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 572	---	---	---
Phosphorus	ppm	█ 392	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0096  
**Unique No:** 10724986  
**Signed:** Wes Davis  
**Report Date:** 03 Nov 2023

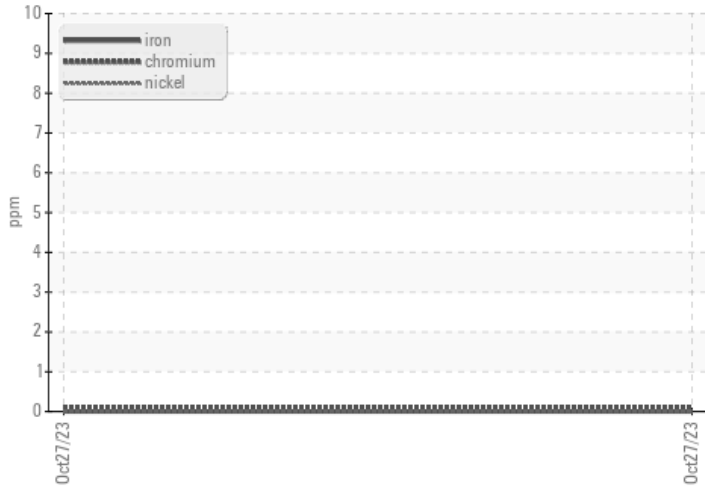


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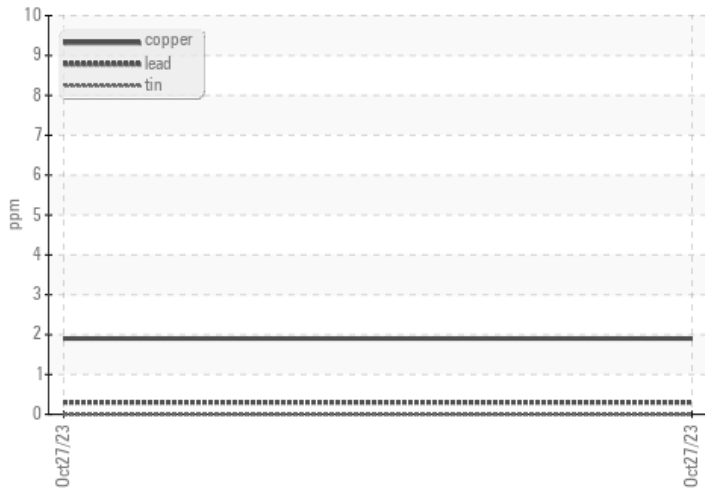


## VOLVO GRAPHS

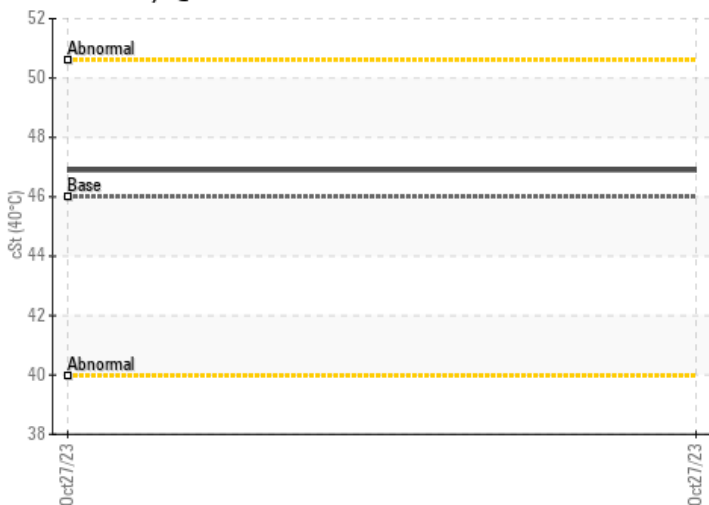
### Ferrous Alloys



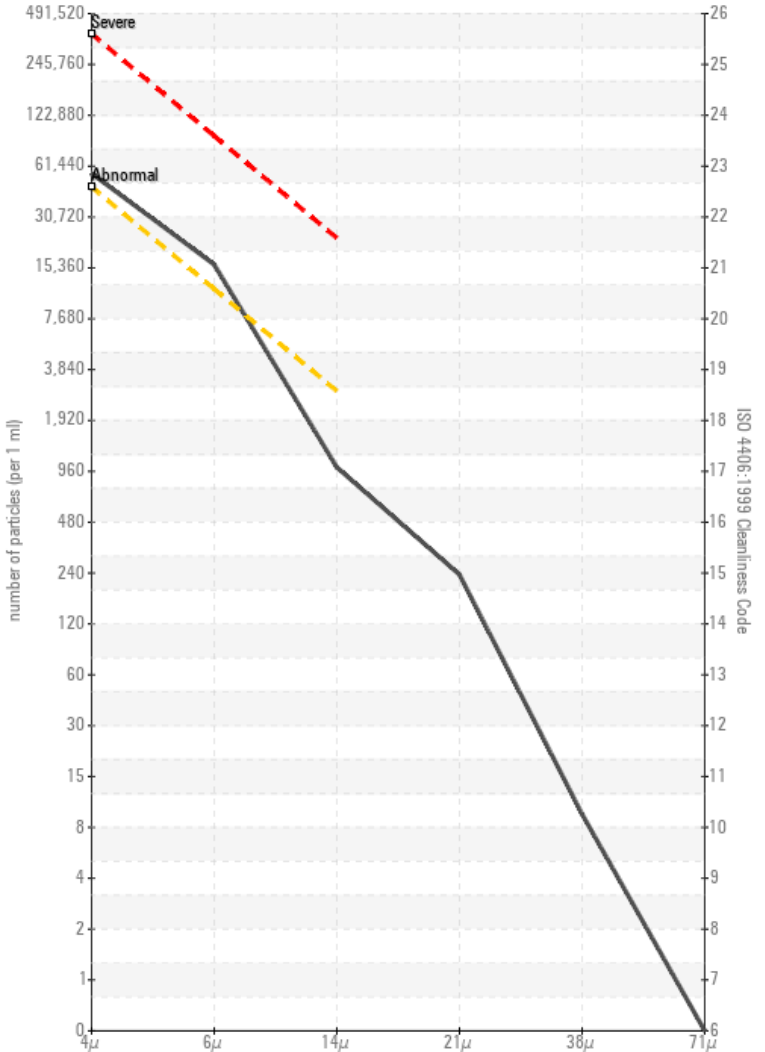
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

