



# CONSTRUCTION EQUIPMENT

## 367199 VOLVO ECR305CL 110051 - HYDRAULIC SYSTEM



**Sample No:** VCP392269  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 367199



### SAMPLE INFORMATION

Sample Number	VCP392269	---	---	---
Sample Date	21 Sep 2023	---	---	---
Machine Hours	15000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
 MISSISSAUGA, ON  
 CA L4W 4L4

Contact: Janice Cripps  
 jcripps@strongco.com  
 T: (905)565-3876  
 F: (905)670-2338



### OIL CONDITION

Visc @ 40°C	cSt	█ 45.1	---	---	---
-------------	-----	--------	-----	-----	-----



### CONTAMINATION

Particles >4µm		█ 3449	---	---	---
Particles >6µm		█ 392	---	---	---
Particles >14µm		█ 21	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

### Diagnosis

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. Diagnostician's Note: This looks like AW ISO 46 Hydraulic Oil. Nothing appears to be mixed into this oil. 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 71	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 435	---	---	---
Phosphorus	ppm	█ 365	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** SHEMIS  
**Unique No:** 5645765  
**Signed:** Bill Quesnel  
**Report Date:** 25 Sep 2023

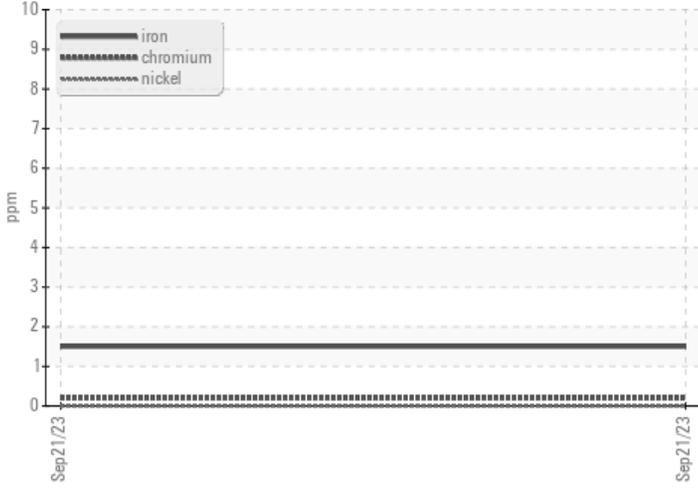


# CONSTRUCTION EQUIPMENT

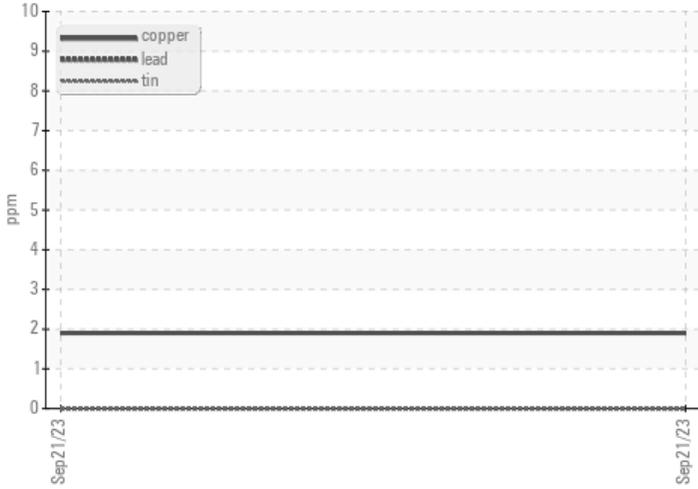


## VOLVO GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

