



# CONSTRUCTION EQUIPMENT

## SPM581001 RENTAL VOLVO ECR355EL 314709 - HYDRAULIC SYSTEM



**Sample No:** VCP422922  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SPM581001 RENTAL



### SAMPLE INFORMATION

Sample Number	VCP422922	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA CONSTRUCTION EQUIPMENT**  
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 Contact: KEVIN SKRTICH  
 KEVIN.SKRTICH@ALTAEQUIPMENT.COM  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.53	---	---	---



### CONTAMINATION

Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 103	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 594	---	---	---
Phosphorus	ppm	█ 402	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO5055  
**Unique No:** 10589289  
**Signed:** Don Baldrige  
**Report Date:** 08 Aug 2023

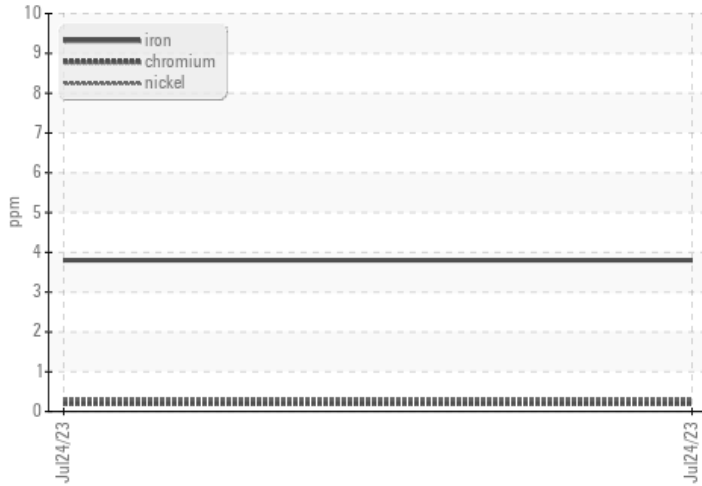


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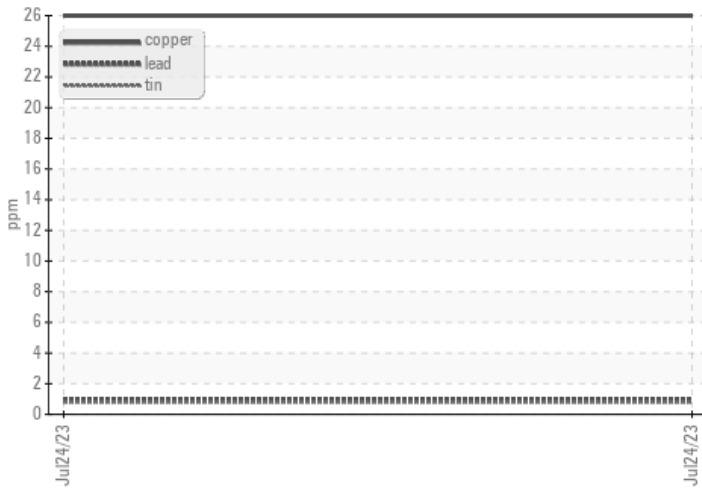


## GRAPHS

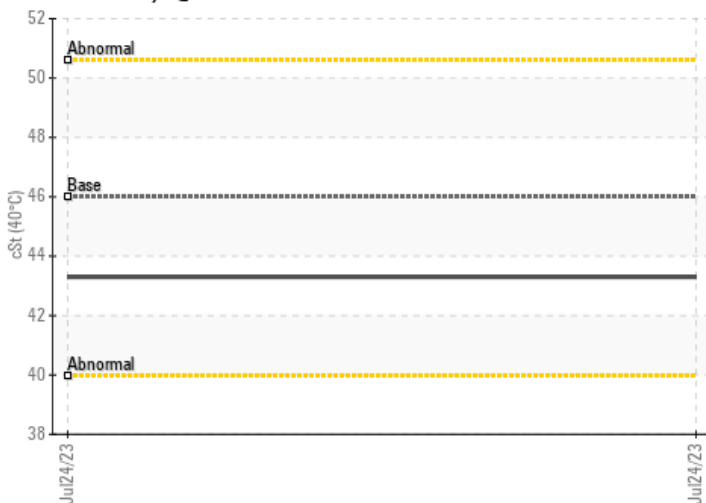
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

