



# CONSTRUCTION EQUIPMENT

## 353597 VOLVO EC350EL 314416 - HYDRAULIC SYSTEM



**Sample No:** VCP441898  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 353597



### SAMPLE INFORMATION

Sample Number	VCP441898	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	1579	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.58	---	---	---

T:  
F:



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	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. All component wear rates are normal. Moderate concentration of visible dirt/debris 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	█ 7	---	---	---
Copper	ppm	█ 30	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

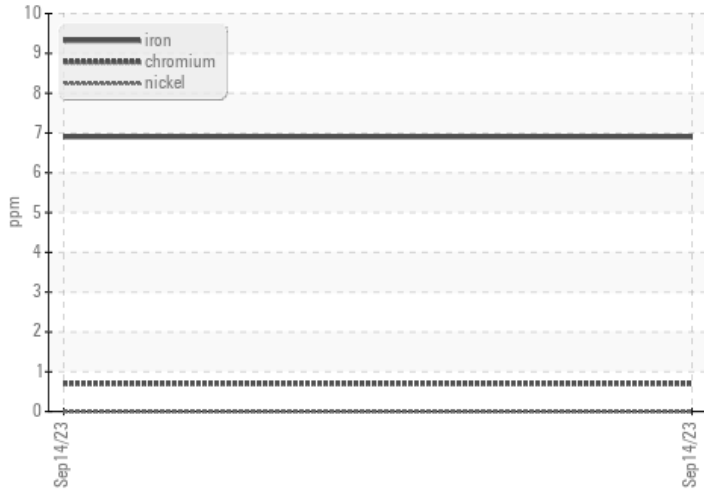
Calcium	ppm	699	---	---	---
Magnesium	ppm	█ 9	---	---	---
Zinc	ppm	█ 673	---	---	---
Phosphorus	ppm	█ 469	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

**Depot:** CALEAS  
**Unique No:** 10655145  
**Signed:** Jonathan Hester  
**Report Date:** 20 Sep 2023

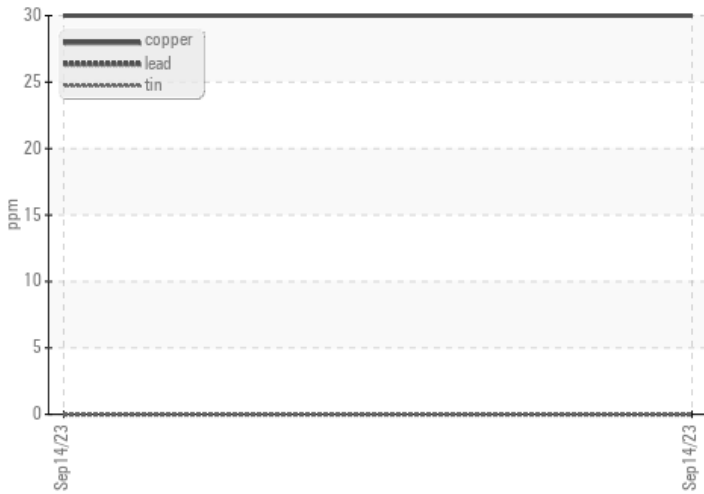


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

