



# CONSTRUCTION EQUIPMENT

## W127867 VOLVO EC250EL 314145 - HYDRAULIC SYSTEM



**Sample No:** VCP359463  
**Oil Type:** VOLVO  
**Job No:** W127867



### SAMPLE INFORMATION

Sample Number	VCP359463	---	---	---
Sample Date	06 Apr 2022	---	---	---
Machine Hours	1122	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
 Contact: JIM STRIGLE  
 JIM.STRIGLE@ALTG.COM  
 T: (315)437-2611  
 F: (315)434-9471



### OIL CONDITION

Visc @ 40°C	cSt	█ 44.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	---	---	---



### CONTAMINATION

Water	%	◆ 3.09	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	85	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	462	---	---	---
Phosphorus	ppm	351	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	12	---	---	---

### Diagnosis

We advise that you check for the source of water entry. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Else we recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid.

**Depot:** VOLV00142  
**Unique No:** 9929679  
**Signed:** Doug Bogart  
**Report Date:** 12 Apr 2022

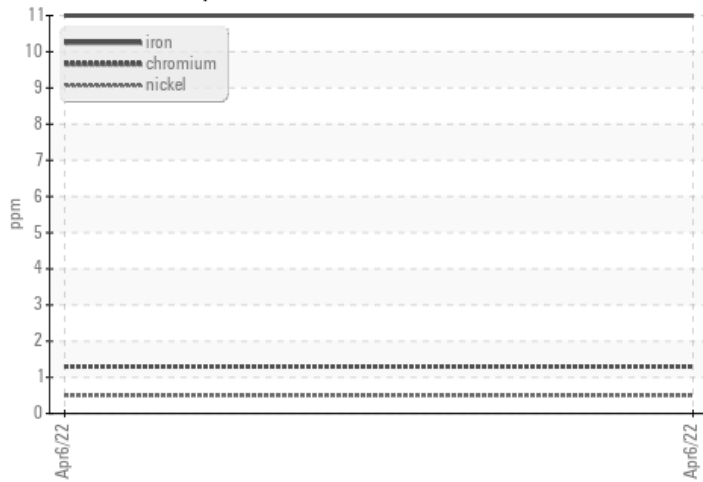


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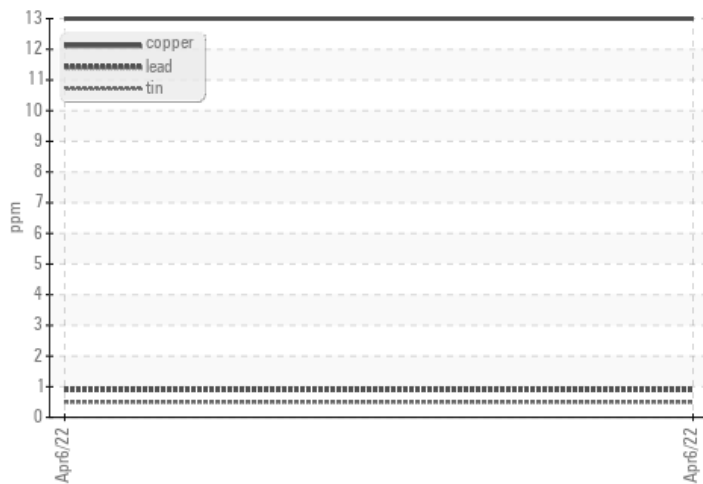


## GRAPHS

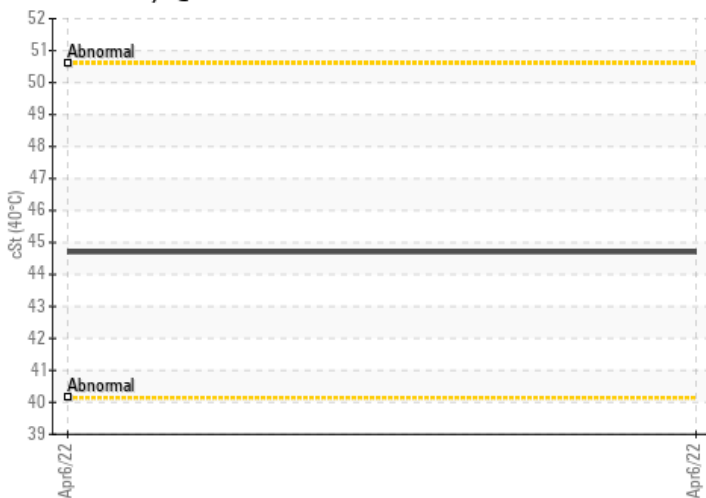
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

