



# CONSTRUCTION EQUIPMENT

## VOLVO EC350EL 310135 - HYDRAULIC SYSTEM



**Sample No:** VCP419598  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP419598	---	---	---
Sample Date	06 Nov 2023	---	---	---
Machine Hours	2280	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**TRAFALGAR HOMES OF TEXAS**  
 PO BOX 65  
 STEPHENVILLE, TX  
 US 76401  
 Contact: MEGAN LETHERWOOD  
 megleatherwood7@gmail.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 42.9	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.42	---	---	---



### CONTAMINATION

Particles >4µm		▲ 81295	---	---	---
Particles >6µm		▲ 18422	---	---	---
Particles >14µm		■ 436	---	---	---
ISO 4406:1999 (c)		24/21/16	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high 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	▲ 43	---	---	---
Copper	ppm	■ 23	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 199	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 487	---	---	---
Phosphorus	ppm	■ 411	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

**Depot:** TRASTETX  
**Unique No:** 10739259  
**Signed:** Don Baldrige  
**Report Date:** 15 Nov 2023

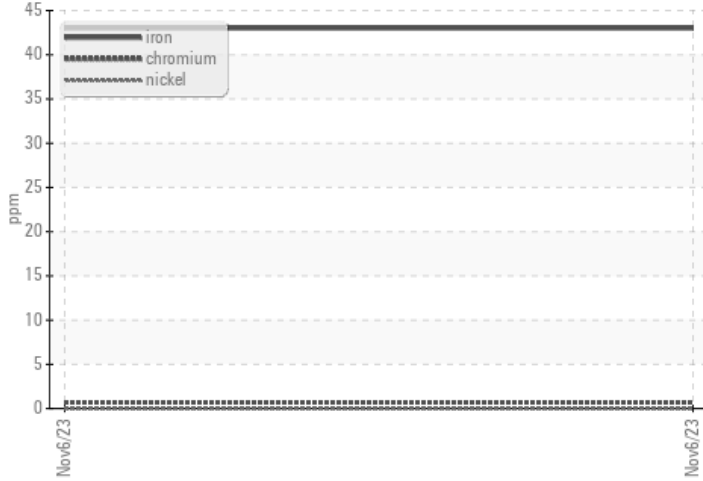


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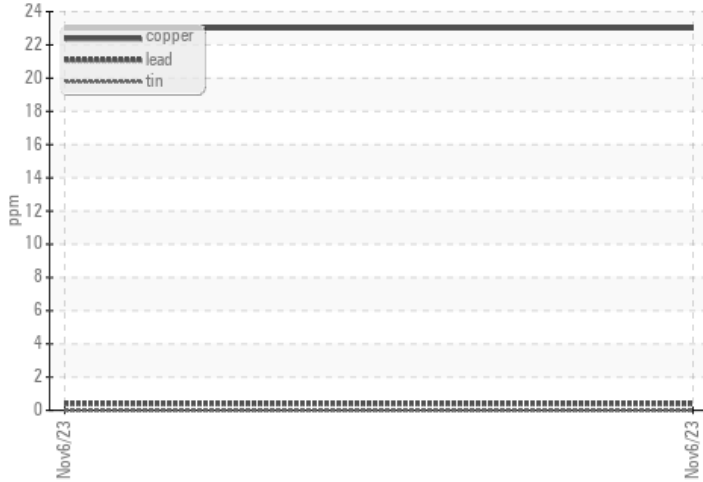


## GRAPHS

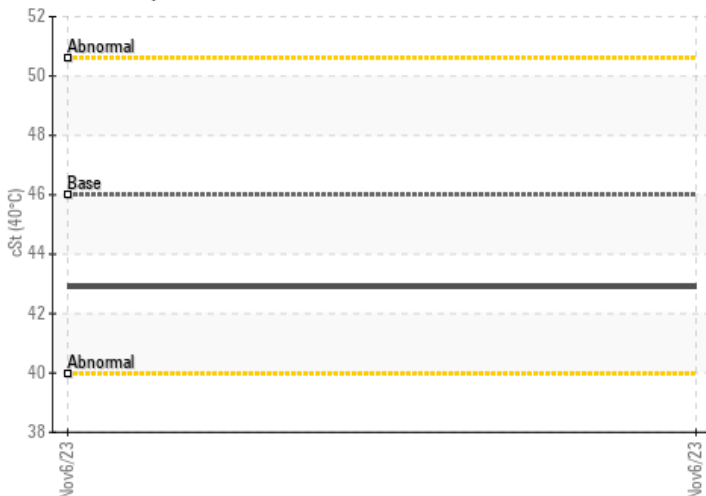
### ▲ Ferrous Alloys



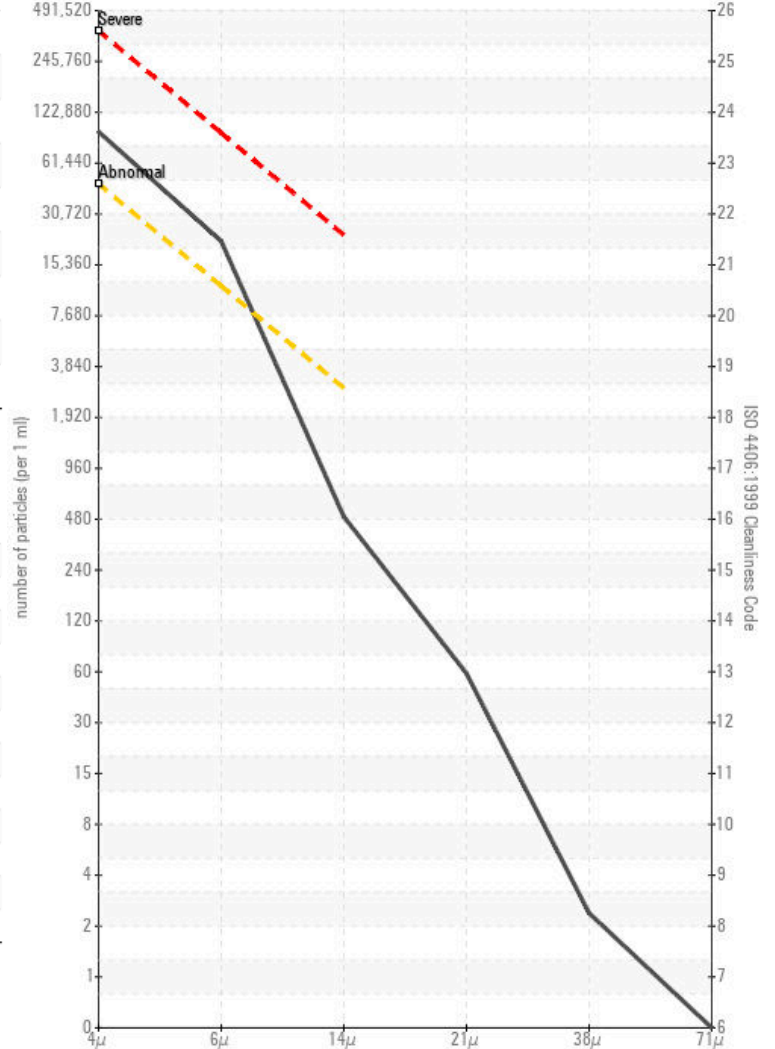
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

