



# CONSTRUCTION EQUIPMENT

## VOLVO EC350EL 314575 - HYDRAULIC SYSTEM



**Sample No:** VCP436469  
**Oil Type:** VOLVO SUPER TRANSMISSION OIL SAE 10W  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436469</b>	VCP439466	VCP424486	---
Sample Date	<b>30 Apr 2024</b>	10 Jan 2024	30 Sep 2023	---
Machine Hours	<b>0</b>	1057	586	---
Oil Hours	<b>0</b>	1057	586	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	NORMAL	---

**CITY CARTING**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	42.1	42.1	---
Acid Number (AN)	mg KOH/g	<b>0.54</b>	0.55	0.50	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>53281</b>	---	2234	---
Particles >6µm		<b>10791</b>	---	525	---
Particles >14µm		<b>168</b>	---	43	---
ISO 4406:1999 (c)		<b>23/21/15</b>	---	18/16/13	---
Silicon	ppm	<b>2</b>	3	2	---
Sodium	ppm	<b>&lt;1</b>	<1	0	---
Potassium	ppm	<b>&lt;1</b>	<1	1	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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	<b>0</b>	2	2	---
Copper	ppm	<b>17</b>	16	12	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>0</b>	1	0	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>0</b>	0	0	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	0	0	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>106</b>	105	115	---
Magnesium	ppm	<b>0</b>	<1	<1	---
Zinc	ppm	<b>577</b>	579	591	---
Phosphorus	ppm	<b>446</b>	441	429	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** CITMILCON  
**Unique No:** 11015927  
**Signed:** Don Baldrige  
**Report Date:** 08 May 2024

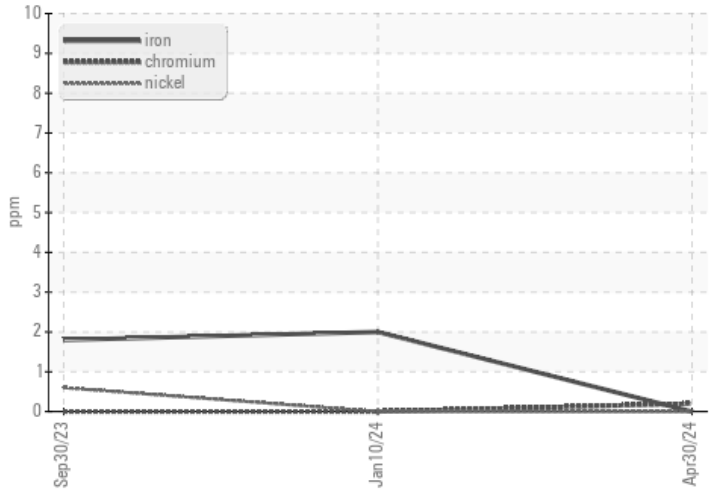


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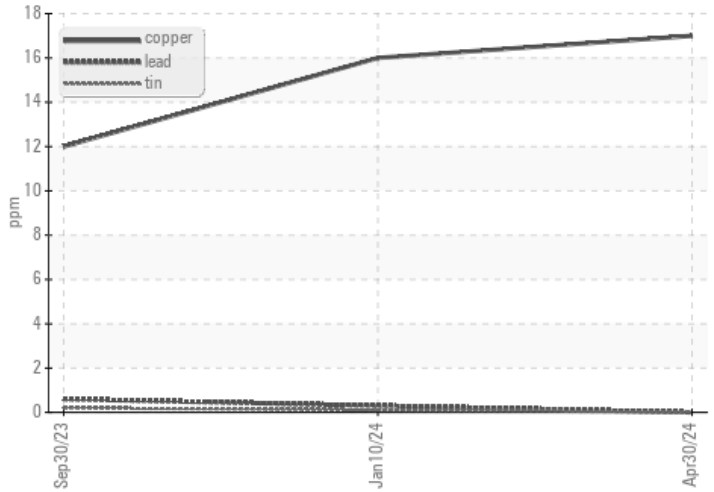


## VOLVO GRAPHS

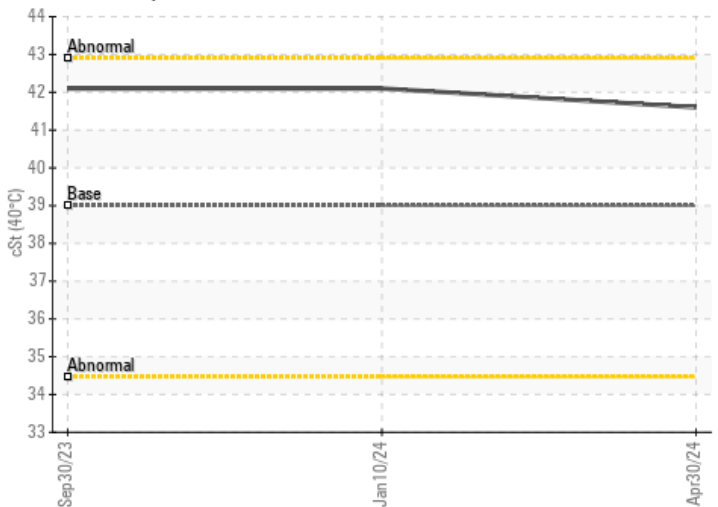
### Ferrous Alloys



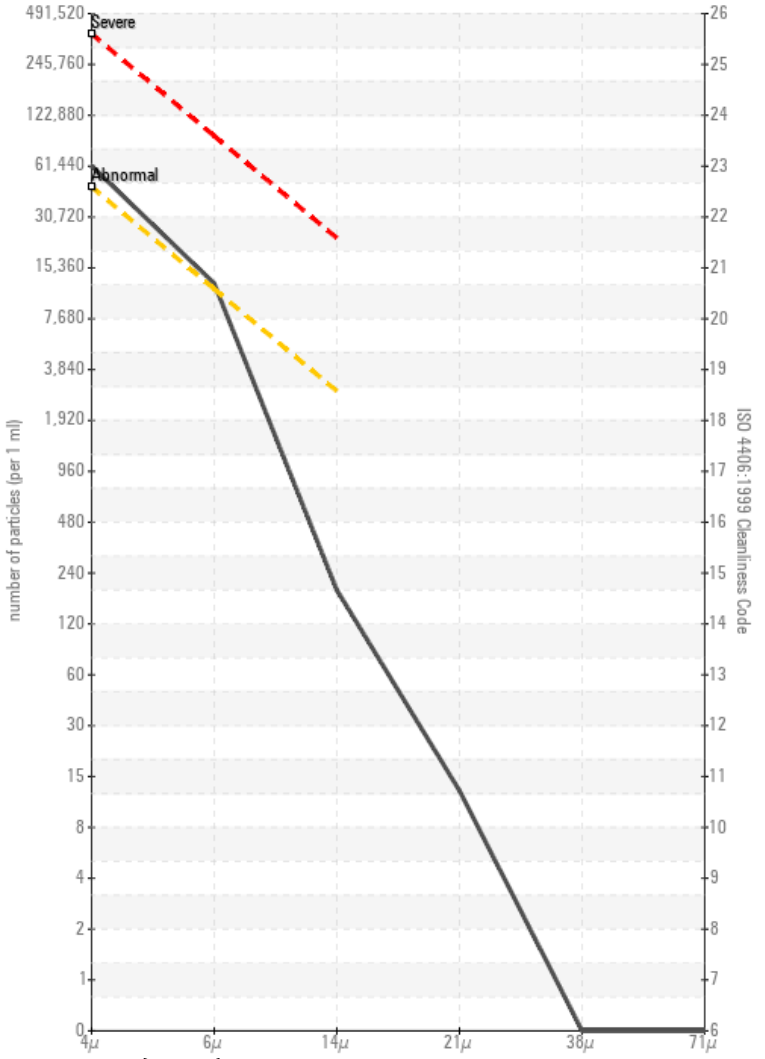
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

