



# CONSTRUCTION EQUIPMENT

## VOLVO EC300E 312441 - HYDRAULIC SYSTEM



**Sample No:** VCP274395  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP274395	---	---	---
Sample Date	20 Sep 2020	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**Strongco Equipment**  
 5179 Fountain St N.  
 Breslau, ON  
 CA N0B 1M0  
 Contact: Matt Crisci  
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 T: (519)744-3518  
 F: (519)744-3284



### OIL CONDITION

Visc @ 40°C	cSt	■ 39.0	---	---	---
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### CONTAMINATION

Particles >4µm		■ 1463	---	---	---
Particles >6µm		■ 333	---	---	---
Particles >14µm		■ 24	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 32	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 67	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 485	---	---	---
Phosphorus	ppm	■ 393	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ <1	---	---	---

**Depot:** CASKIT  
**Unique No:** 5111472  
**Signed:** Wes Davis  
**Report Date:** 08 Oct 2020

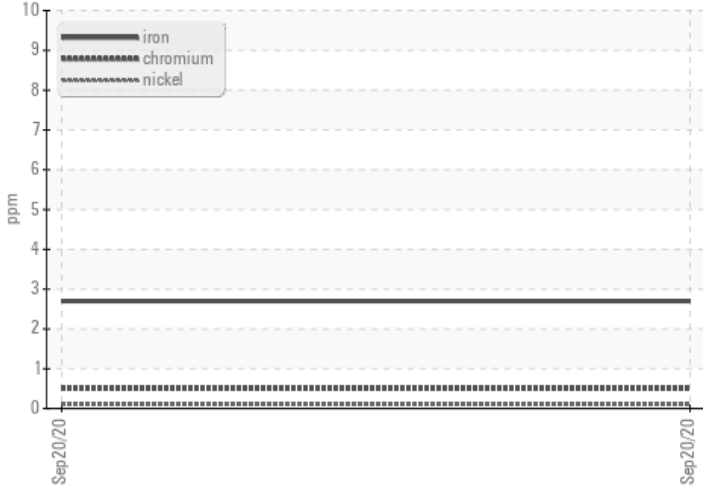


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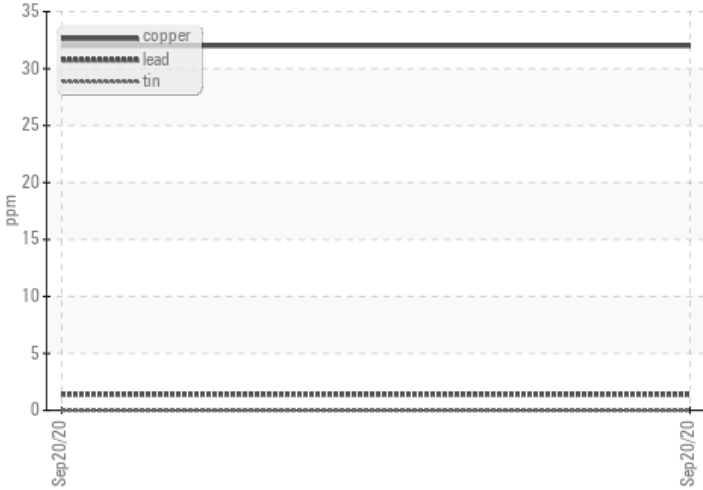


## GRAPHS

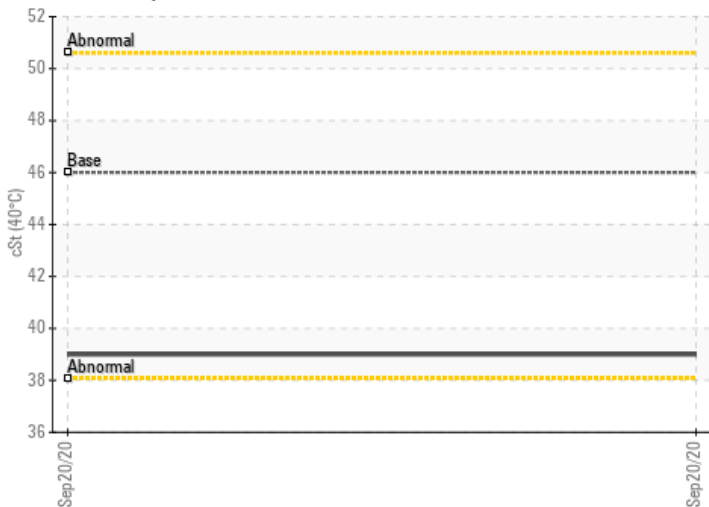
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

