



# CONSTRUCTION EQUIPMENT

G08918 OLDCASTLE-ELM VOLVO EC300 316609 - HYDRAULIC SYSTEM



**Sample No:** VCP409714  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** G08918 OLDCASTLE-ELM



## SAMPLE INFORMATION

Sample Number	VCP409714	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	1425	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**HOFFMAN EQUIPMENT - DEPTFORD**  
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 DEPTFORD, NJ  
 US 08096  
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 T: (856)227-6400  
 F: (856)227-0046



## OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.49	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1230	---	---	---
Particles >6µm		█ 289	---	---	---
Particles >14µm		█ 18	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



## WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ 24	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 72	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 557	---	---	---
Phosphorus	ppm	█ 425	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8880  
**Unique No:** 11102187  
**Signed:** Wes Davis  
**Report Date:** 01 Jul 2024

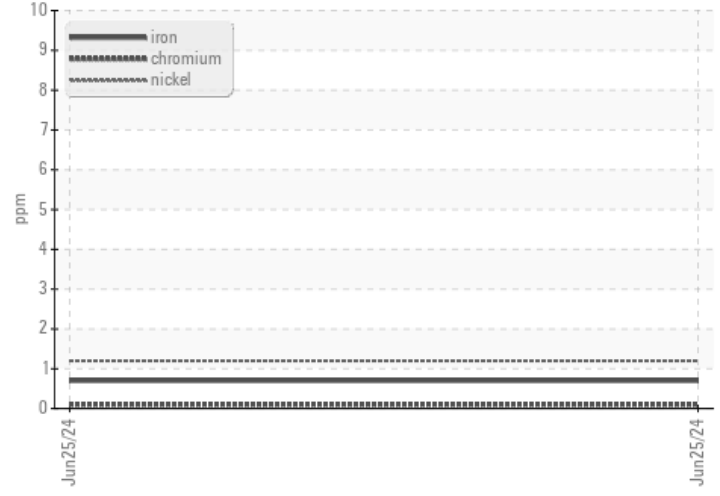


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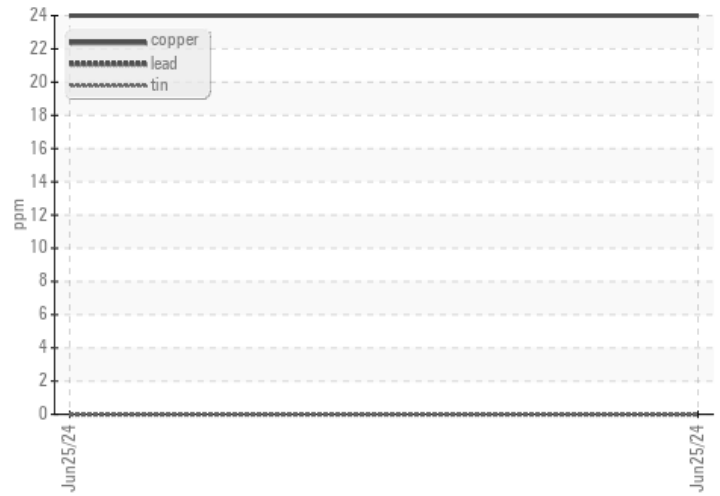


## GRAPHS

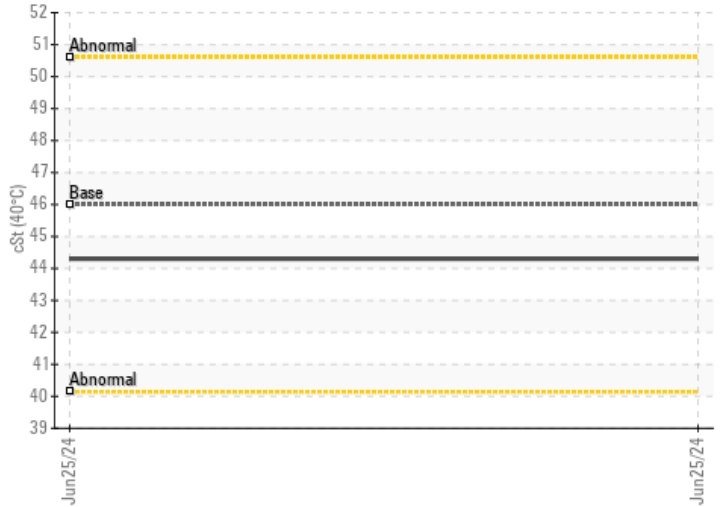
### Ferrous Alloys



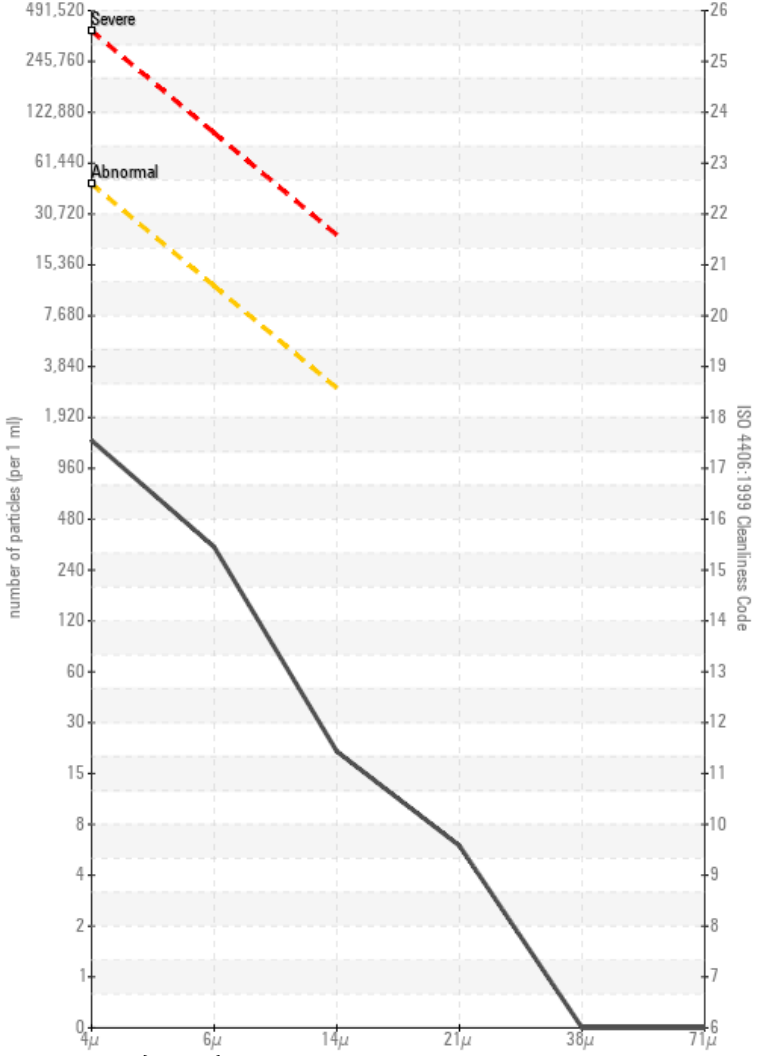
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

