



# CONSTRUCTION EQUIPMENT

## JOHN DEERE 650 404213 - HYDRAULIC SYSTEM



**Sample No:** VCP416378

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP416378	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	1581	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
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### OIL CONDITION

Visc @ 40°C	cSt	■ 56.7	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.84	---	---	---



### CONTAMINATION

Particles >4µm		▲ 10040	---	---	---
Particles >6µm		▲ 1701	---	---	---
Particles >14µm		■ 76	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---

### Diagnosis

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 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 oils additive package is suitable for further service.



### WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	197	---	---	---
Magnesium	ppm	27	---	---	---
Zinc	ppm	840	---	---	---
Phosphorus	ppm	630	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 10547068  
**Signed:** Doug Bogart  
**Report Date:** 07 Jul 2023

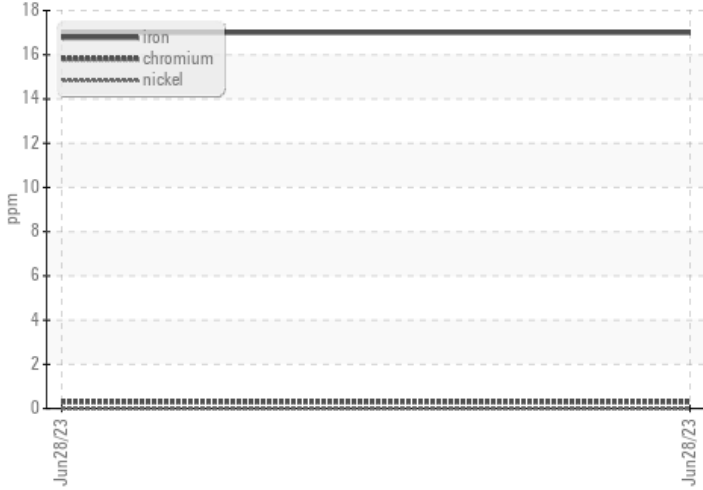


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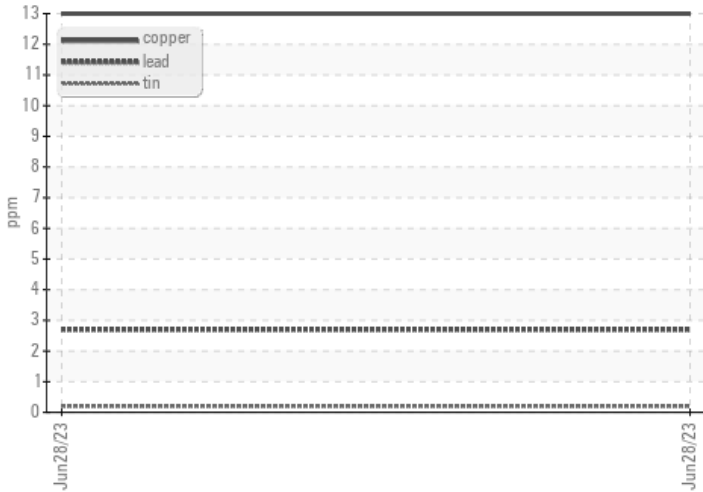


## VOLVO GRAPHS

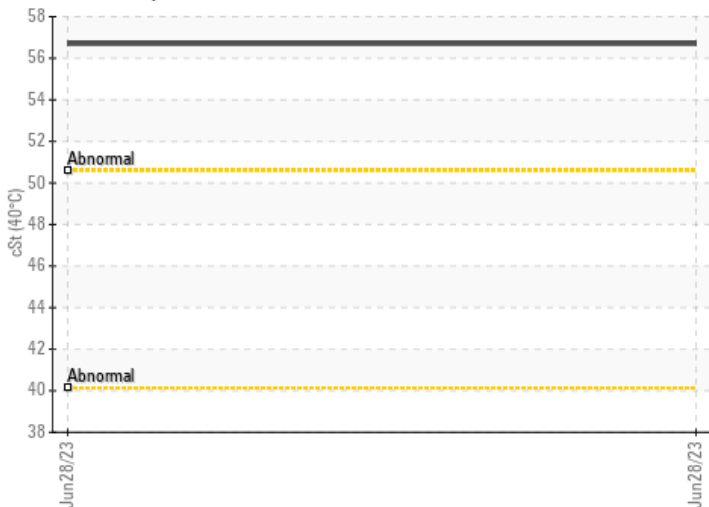
### Ferrous Alloys



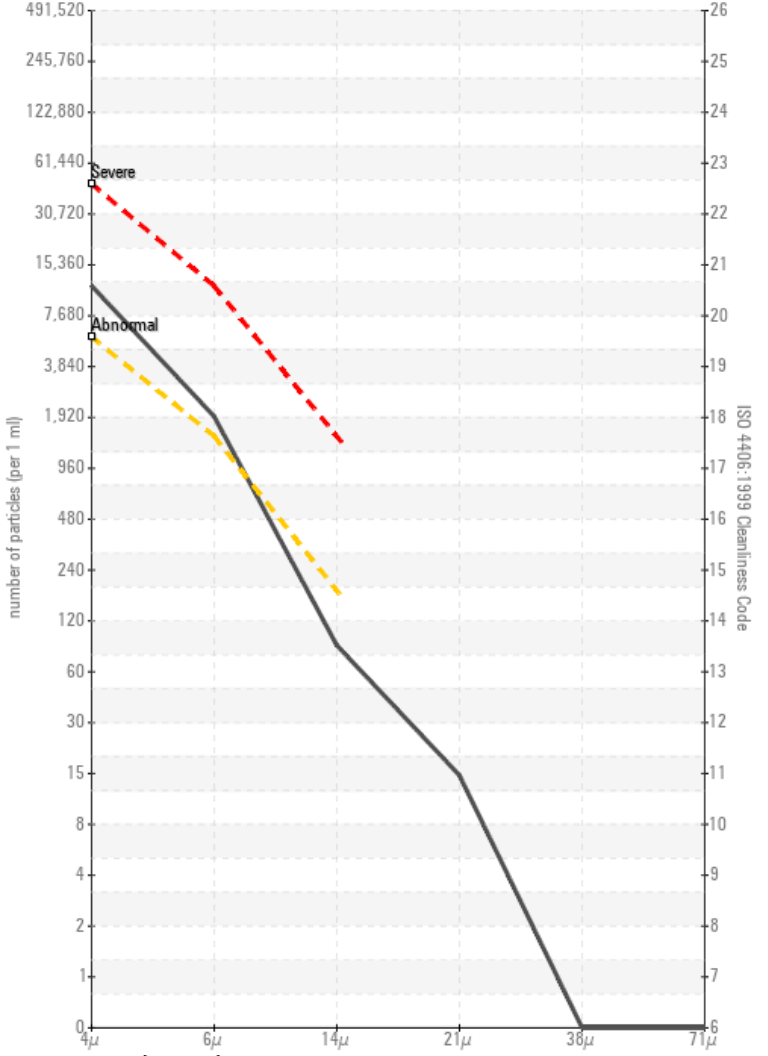
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

