

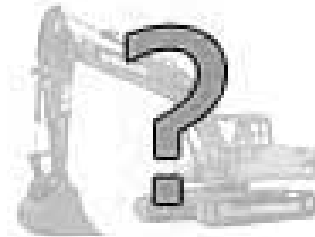


# CONSTRUCTION EQUIPMENT

## TAKEUCHI TL120UZ 412003516 - HYDRAULIC SYSTEM



**Sample No:** VCP434372  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP434372	VCP355212	---	---
Sample Date	16 Oct 2023	21 Jun 2022	---	---
Machine Hours	0	1049	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
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### OIL CONDITION

Visc @ 40°C	cSt	▲ 53.52	66.2	---	---
Acid Number (AN)	mg KOH/g	■ 1.00	■ 2.62	---	---

### CONTAMINATION

Particles >4µm		■ 651	▲ 44015	---	---
Particles >6µm		■ 58	▲ 14140	---	---
Particles >14µm		■ 6	▲ 1436	---	---
ISO 4406:1999 (c)		17/13/10	23/21/18	---	---
Silicon	ppm	■ 4	■ 6	---	---
Sodium	ppm	■ 3	■ <1	---	---
Potassium	ppm	■ <1	■ 1	---	---

**Diagnosis**  
 No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

### WEAR METALS

Iron	ppm	■ 2	■ 4	---	---
Copper	ppm	■ 8	■ 6	---	---
Lead	ppm	■ 2	■ 1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ <1	---	---
Chromium	ppm	■ 0	■ 0	---	---
Molybdenum	ppm	■ 19	■ 33	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	<1	■ <1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	■ 1619	■ 2063	---	---
Magnesium	ppm	■ 251	■ 390	---	---
Zinc	ppm	■ 888	■ 999	---	---
Phosphorus	ppm	■ 749	■ 823	---	---
Barium	ppm	■ 0	■ 3	---	---
Boron	ppm	■ 20	■ 49	---	---

**Depot:** VOLVO0090  
**Unique No:** 10728810  
**Signed:** Jonathan Hester  
**Report Date:** 14 Nov 2023

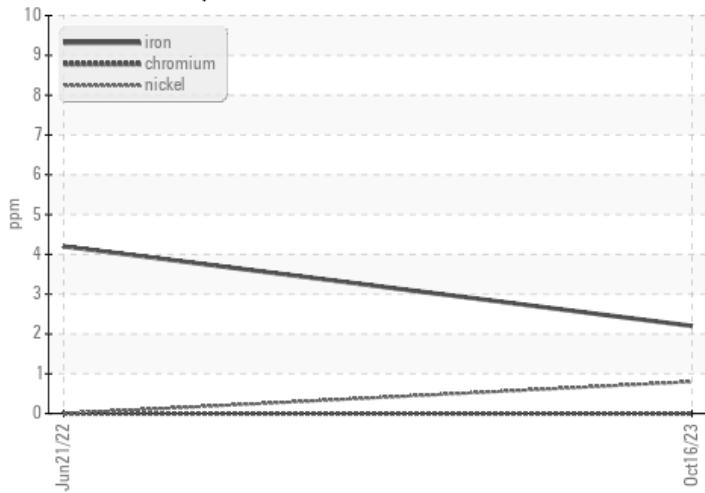


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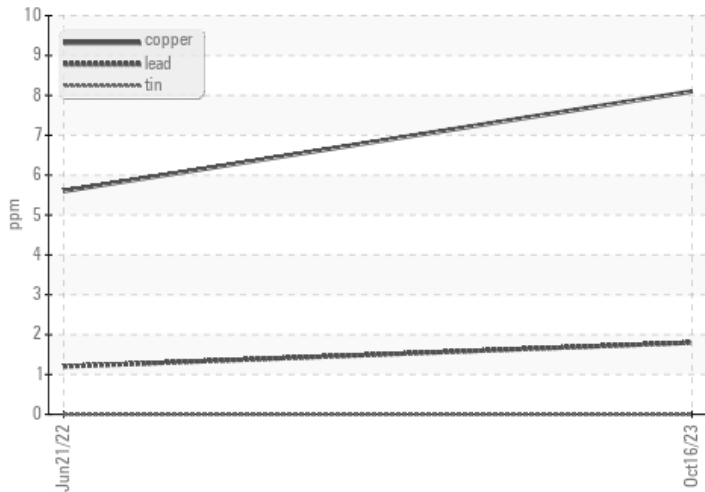


## GRAPHS

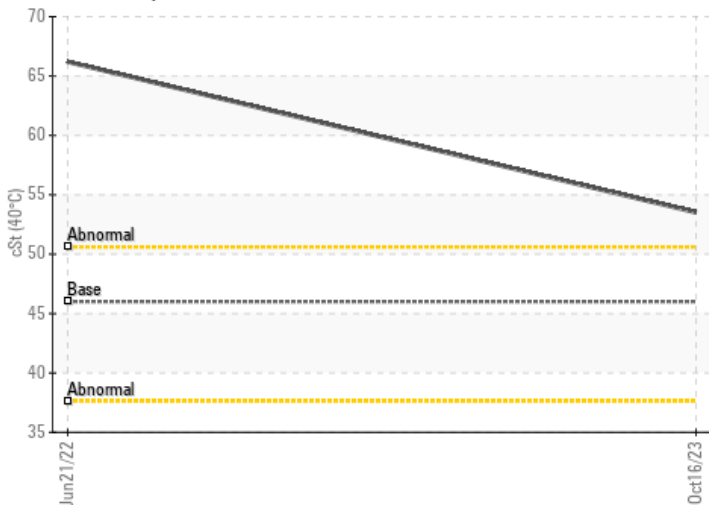
### Ferrous Alloys



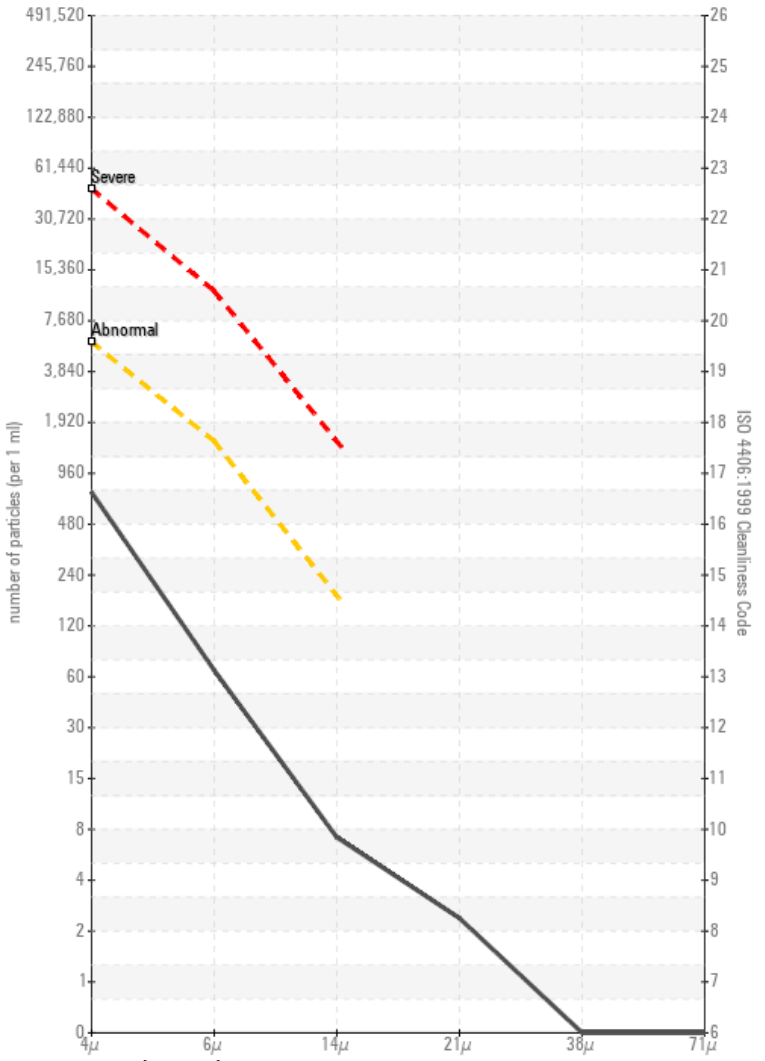
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

