



# CONSTRUCTION EQUIPMENT

W07013747-1 GIV HOPE TAKEUCHI TB240 124005826 - HYDRAULIC SYSTEM



**Sample No:** VCP412032  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** W07013747-1 GIV HOPE



## SAMPLE INFORMATION

Sample Number	VCP412032	VCP358580	---	---
Sample Date	02 Nov 2023	18 Aug 2022	---	---
Machine Hours	466	234	---	---
Oil Hours	465	234	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611

## OIL CONDITION

Visc @ 40°C	cSt	█ 44.6	█ 45.1	---	---
Acid Number (AN)	mg KOH/g	█ 0.21	█ 0.17	---	---

## CONTAMINATION

Particles >4µm		▲ 8117	▲ 9425	---	---
Particles >6µm		█ 803	█ 810	---	---
Particles >14µm		█ 18	█ 54	---	---
ISO 4406:1999 (c)		20/17/11	20/17/13	---	---
Silicon	ppm	█ 2	█ <1	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ <1	█ 0	---	---

## Diagnosis

No corrective action is recommended at this time. The 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 a moderate amount of silt (particulates < 6 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	█ 2	█ 2	---	---
Copper	ppm	█ 5	█ 3	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 0	<1	---	---
Nickel	ppm	█ 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	<1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 40	47	---	---
Magnesium	ppm	█ 11	12	---	---
Zinc	ppm	█ 100	111	---	---
Phosphorus	ppm	█ 272	293	---	---
Barium	ppm	█ 0	<1	---	---
Boron	ppm	█ 0	0	---	---

**Depot:** VOLVO8882  
**Unique No:** 10729889  
**Signed:** Jonathan Hester  
**Report Date:** 09 Nov 2023

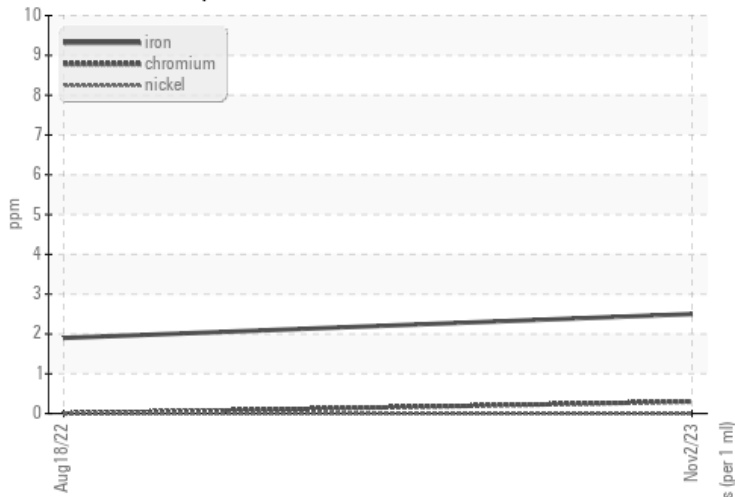


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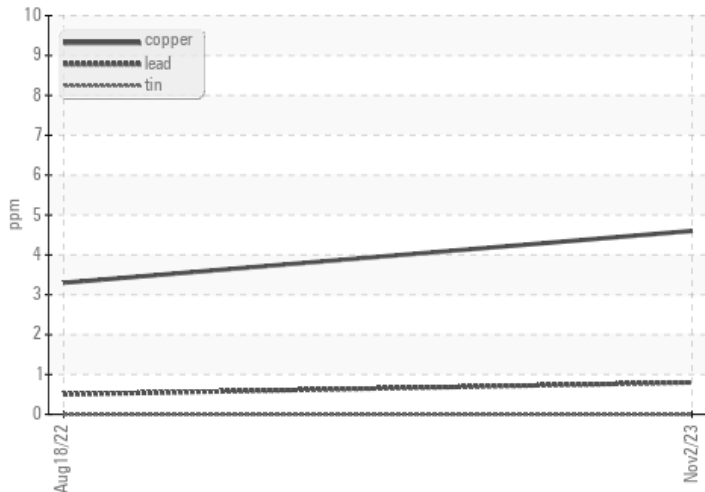


## GRAPHS

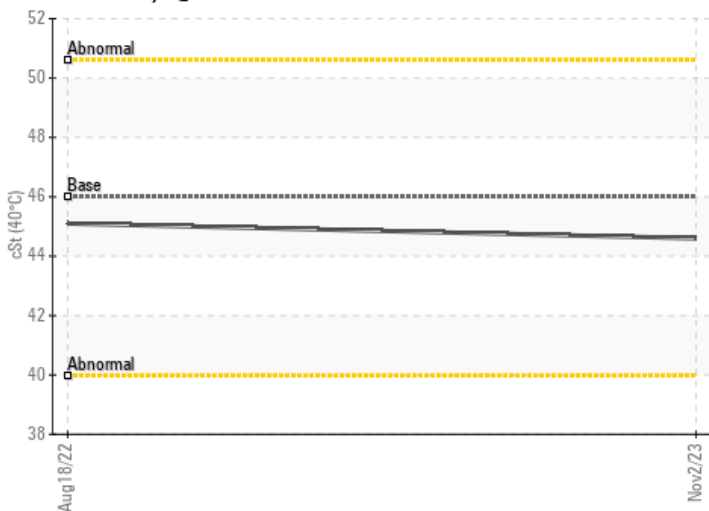
### Ferrous Alloys



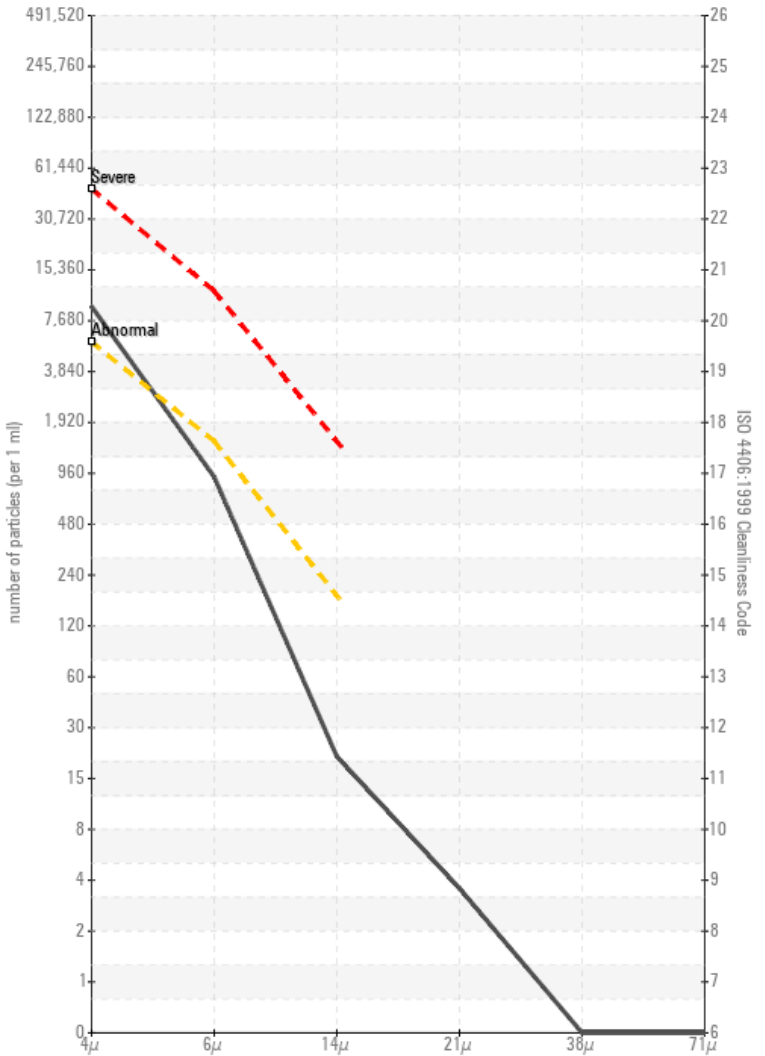
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

