



# CONSTRUCTION EQUIPMENT

74857 LAKE CONWAY TAKEUCHI TB225 122600181 - HYDRAULIC SYSTEM



**Sample No:** VCP445676  
**Oil Type:** {unknown}  
**Job No:** 74857 LAKE CONWAY



## SAMPLE INFORMATION

Sample Number	VCP445676	VCP385485	---	---
Sample Date	19 Feb 2024	21 Oct 2022	---	---
Machine Hours	811	366	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	SEVERE	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	45.0	44.9	---	---
Acid Number (AN)	mg KOH/g	0.15	0.17	---	---

## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		45865	2935	---	---
Particles >6µm		12799	240	---	---
Particles >14µm		445	12	---	---
ISO 4406:1999 (c)		23/21/16	19/15/11	---	---
Silicon	ppm	2	1	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	<1	0	---	---

### Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## WEAR METALS

Iron	ppm	3	3	---	---
Copper	ppm	2	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	13	1	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	28	50	---	---
Phosphorus	ppm	216	279	---	---
Barium	ppm	5	<1	---	---
Boron	ppm	0	0	---	---

**Depot:** VOLVO0093  
**Unique No:** 10896524  
**Signed:** Wes Davis  
**Report Date:** 26 Feb 2024

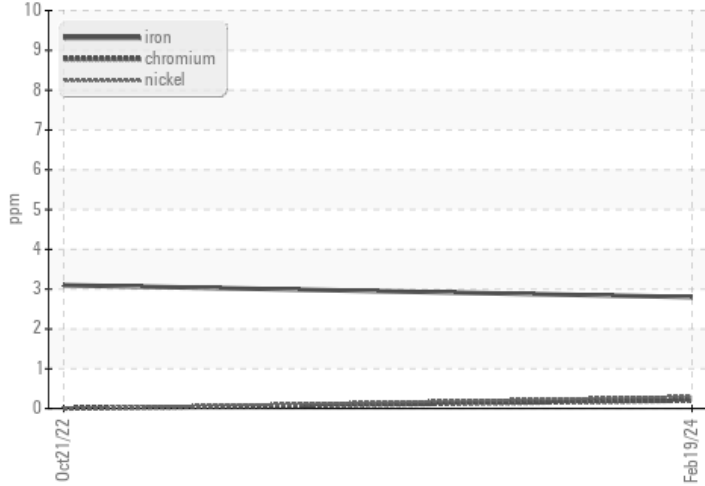


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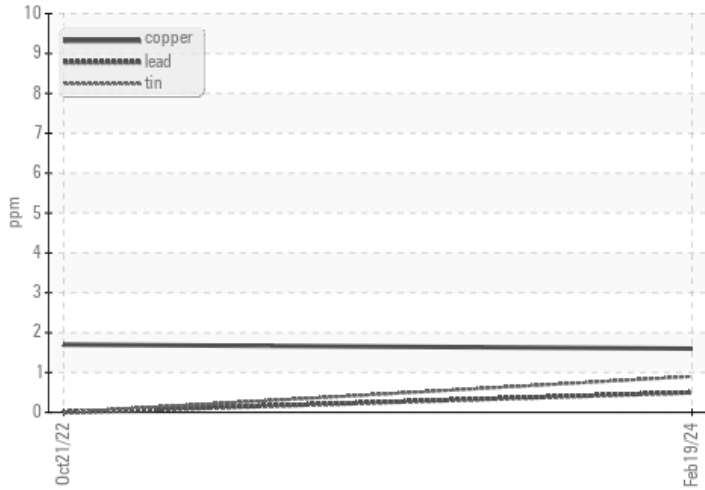


## VOLVO GRAPHS

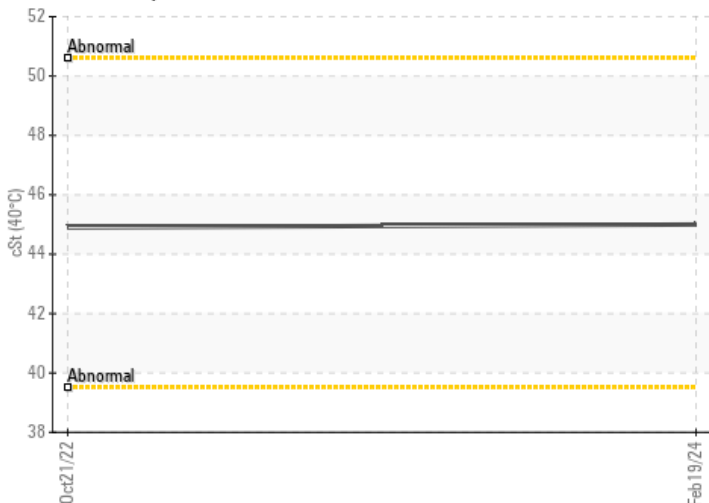
### Ferrous Alloys



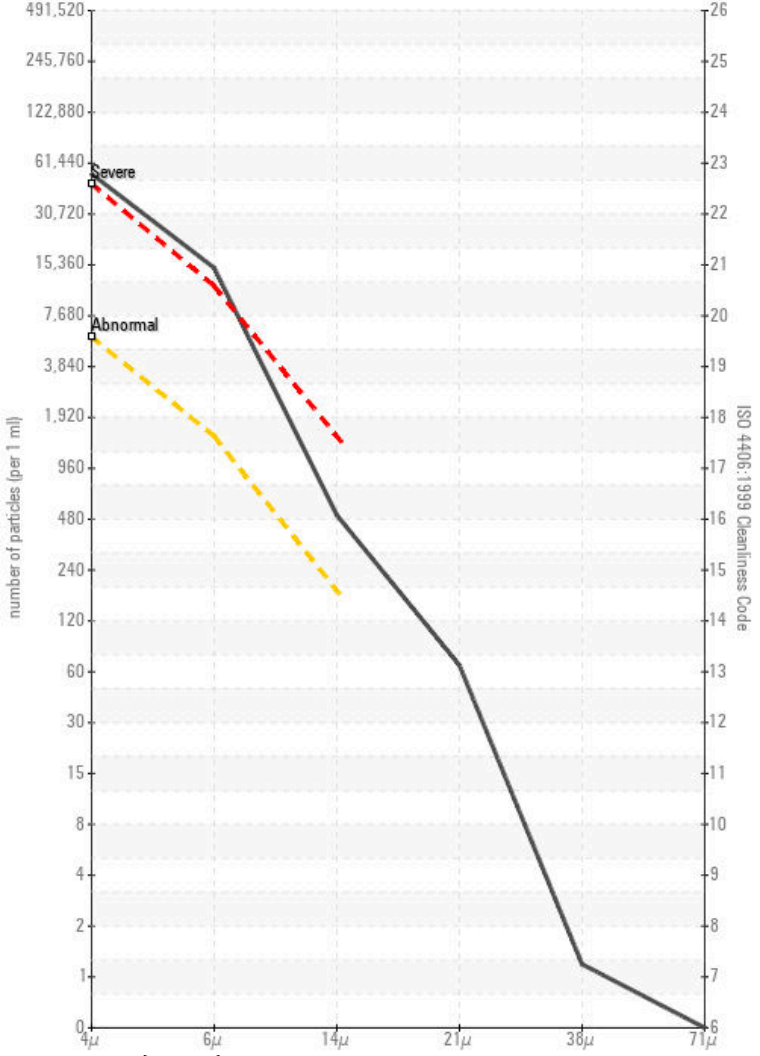
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

