

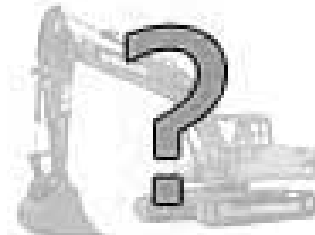


CONSTRUCTION EQUIPMENT

UF TAKEUCHI TB2150 514601000 - HYDRAULIC SYSTEM



Sample No: VCP418203
Oil Type: FIRE-RESISTANT FLUID ISO 46
Job No: UF



SAMPLE INFORMATION

Sample Number	VCP418203	---	---	---
Sample Date	30 Jan 2024	---	---	---
Machine Hours	251	---	---	---
Oil Hours	251	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 US 32824
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OIL CONDITION

Visc @ 40°C	cSt	█ 46.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 22923	---	---	---
Particles >6µm		▲ 3426	---	---	---
Particles >14µm		█ 110	---	---	---
ISO 4406:1999 (c)		22/19/14	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

We recommend you service the filters on this component. 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 oil is acceptable for the time in service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 9	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 52	---	---	---
Phosphorus	ppm	█ 258	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0096
Unique No: 10901129
Signed: Don Baldrige
Report Date: 01 Mar 2024

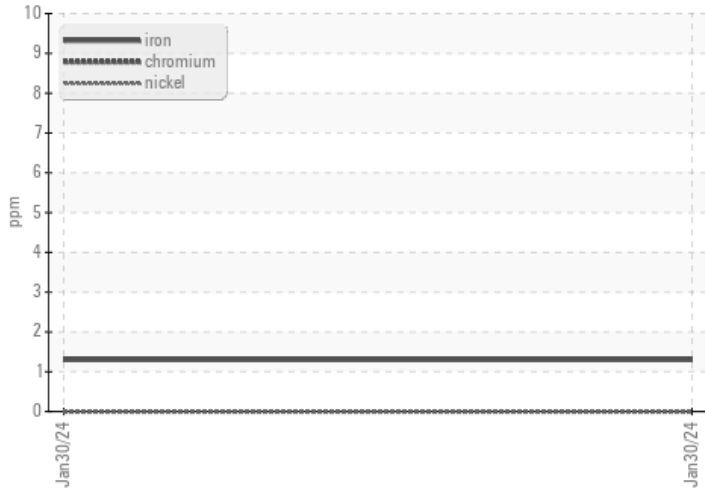


CONSTRUCTION EQUIPMENT

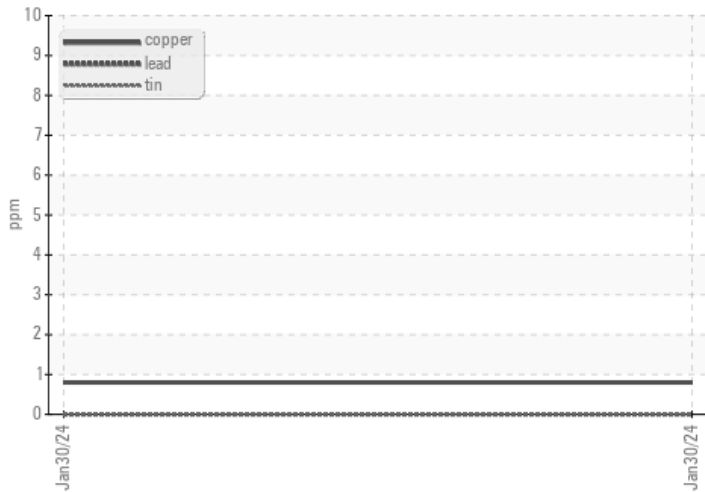


GRAPHS

Ferrous Alloys



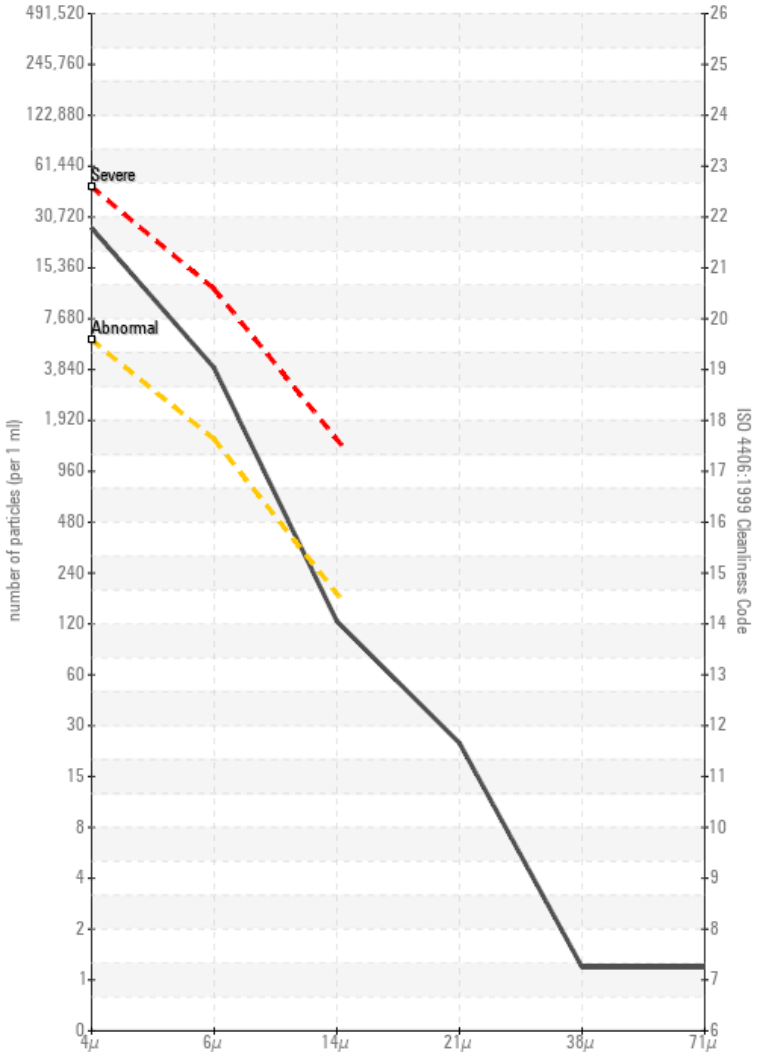
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

