



CONSTRUCTION EQUIPMENT

581592 S&H TAKEUCHI TL12V2 412103590 - REAR LEFT HYDRAULIC SYSTEM



Sample No: VCP411998
Oil Type: TAKEUCHI 15W40
Job No: 581592 S&H



SAMPLE INFORMATION

Sample Number	VCP411998	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	1065	---	---	---
Oil Hours	1065	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 61.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.05	---	---	---



CONTAMINATION

Particles >4µm		▲ 16472	---	---	---
Particles >6µm		▲ 2922	---	---	---
Particles >14µm		▲ 206	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 particulates 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	█ 3	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	33	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1230	---	---	---
Magnesium	ppm	346	---	---	---
Zinc	ppm	758	---	---	---
Phosphorus	ppm	633	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	44	---	---	---

Depot: VOLVO0093
Unique No: 10620126
Signed: Doug Bogart
Report Date: 28 Aug 2023

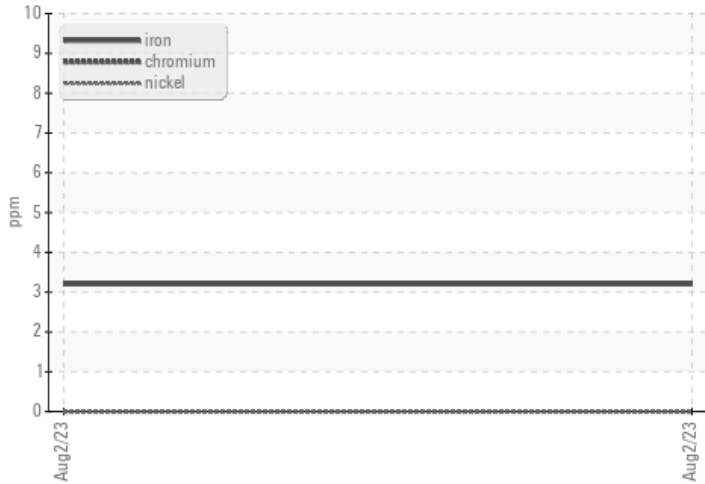


CONSTRUCTION EQUIPMENT

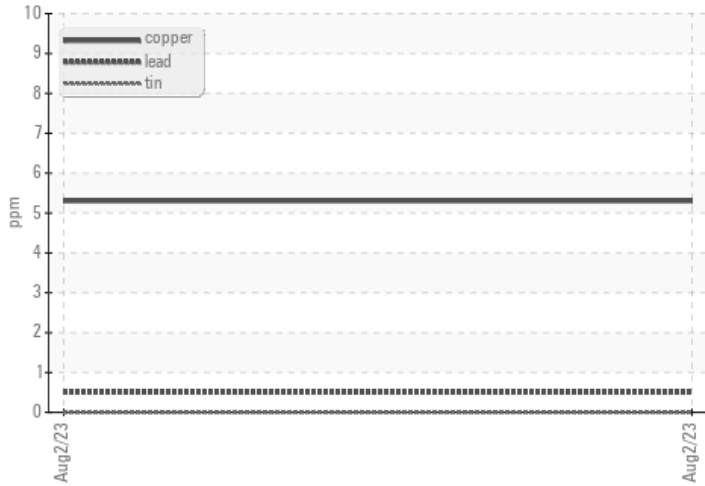


GRAPHS

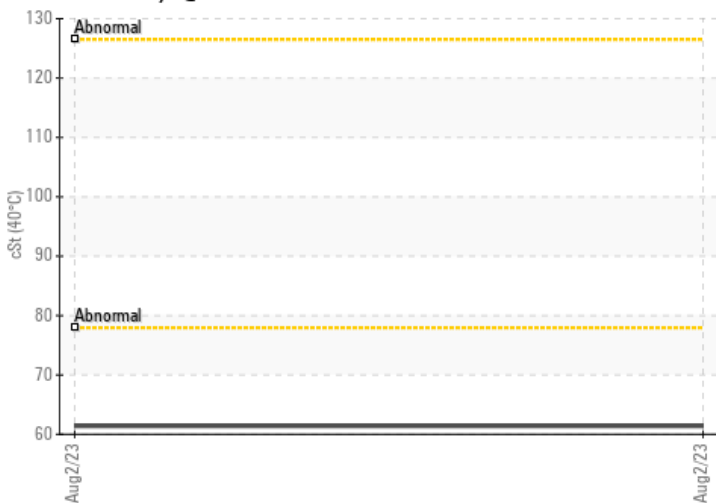
Ferrous Alloys



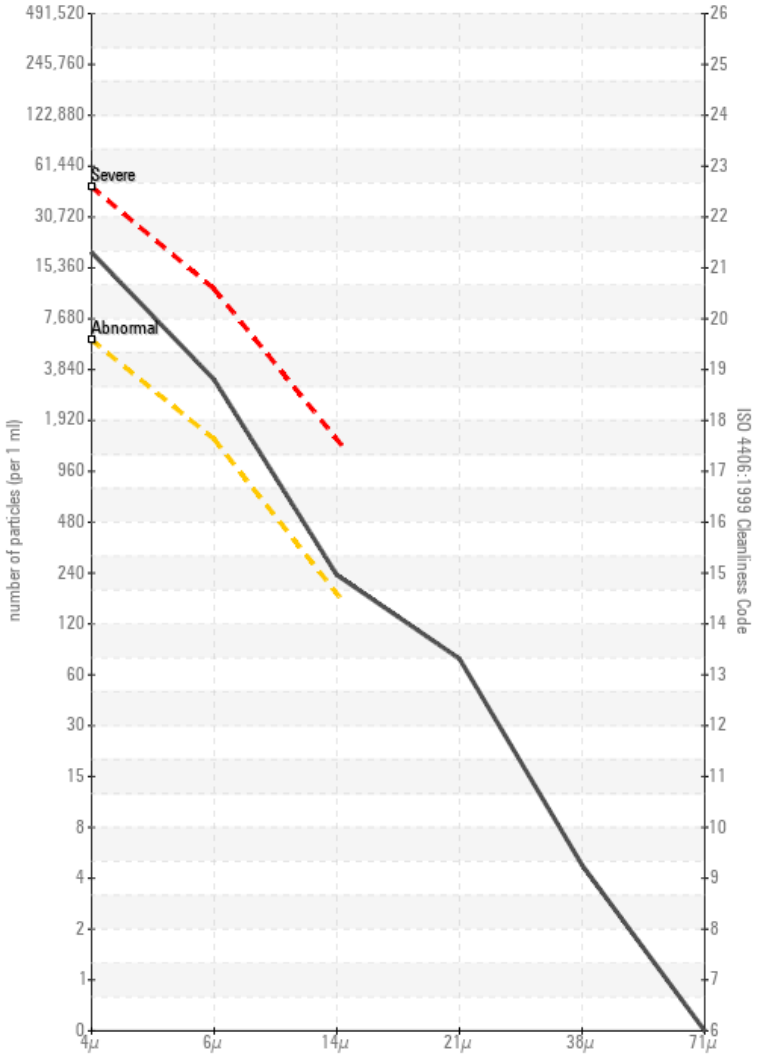
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

