

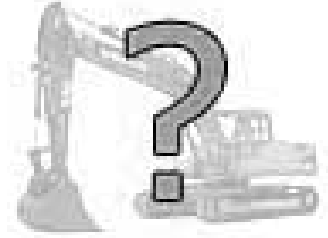


CONSTRUCTION EQUIPMENT

620831 ACME BARRICAD TAKEUCHI TL12V2 412005990 - HYDRAULIC SYSTEM



Sample No: VCP431643
Oil Type: TAKEUCHI 10W30
Job No: 620831 ACME BARRICAD



SAMPLE INFORMATION

Sample Number	VCP431643	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	507	---	---	---
Oil Hours	507	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	50.0	---	---	---
Acid Number (AN)	mg KOH/g	0.84	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		79754	---	---	---
Particles >6µm		14961	---	---	---
Particles >14µm		1070	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	9	---	---	---

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 high amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	13	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	39	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2580	---	---	---
Magnesium	ppm	180	---	---	---
Zinc	ppm	742	---	---	---
Phosphorus	ppm	611	---	---	---
Barium	ppm	10	---	---	---
Boron	ppm	56	---	---	---

Depot: VOLVO0093
Unique No: 10753096
Signed: Don Baldrige
Report Date: 23 Nov 2023

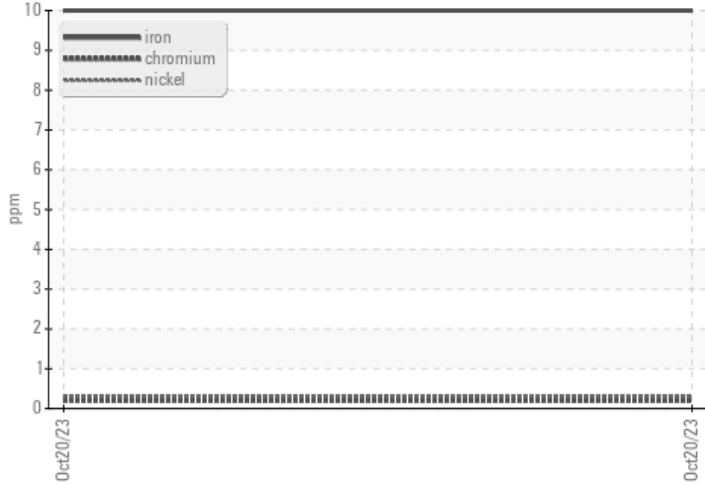


CONSTRUCTION EQUIPMENT

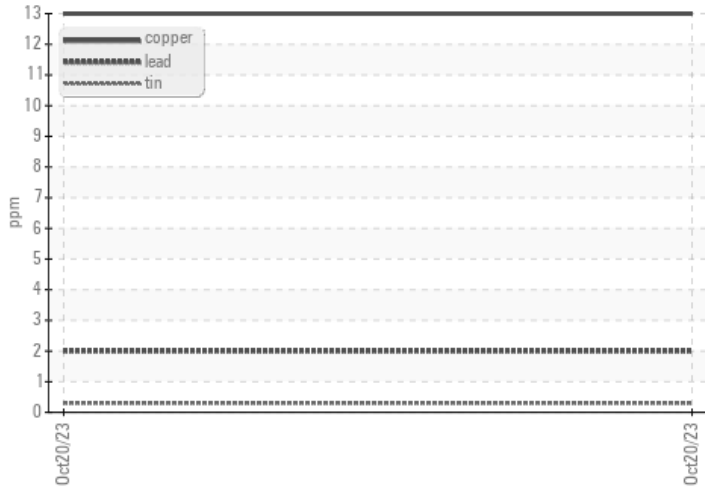


GRAPHS

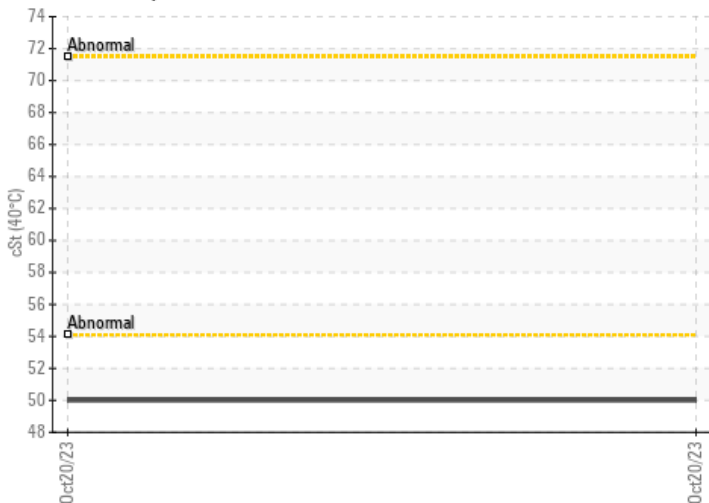
Ferrous Alloys



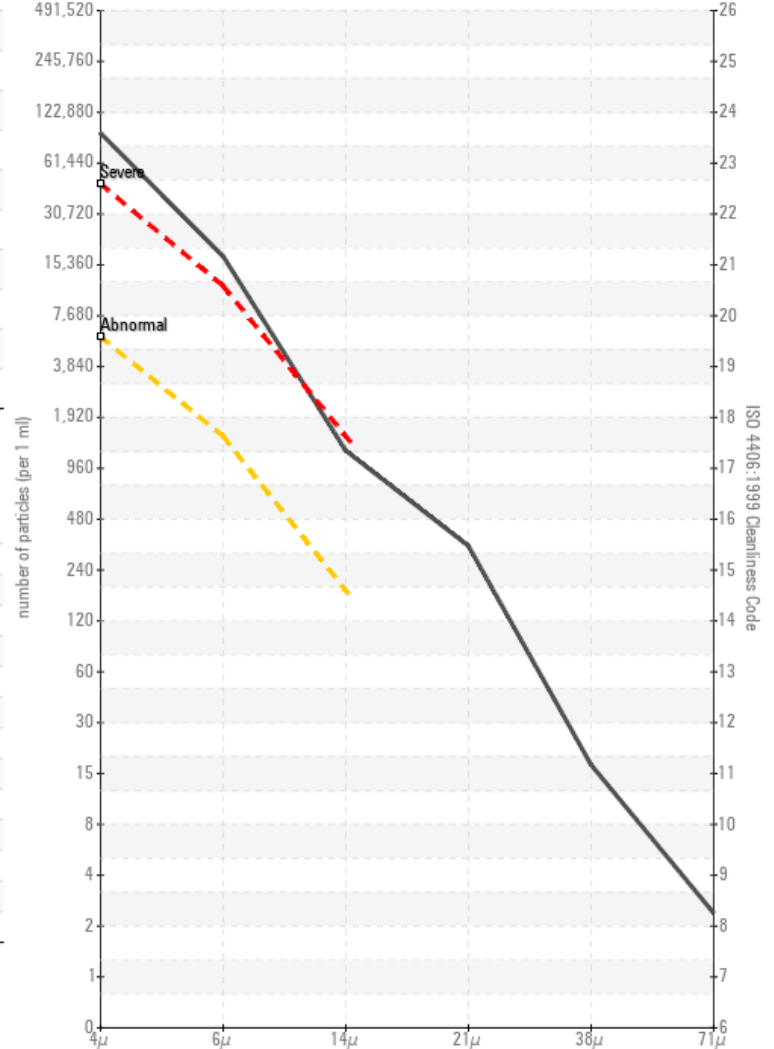
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

