



CONSTRUCTION EQUIPMENT

W07014066 TAKEUCHI TL8 200801321 - HYDRAULIC SYSTEM



Sample No: VCP414787
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: W07014066



SAMPLE INFORMATION

Sample Number	VCP414787	---	---	---
Sample Date	20 Jan 2024	---	---	---
Machine Hours	2042	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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	█ 46.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.42	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1736	---	---	---
Particles >6µm		█ 429	---	---	---
Particles >14µm		█ 18	---	---	---
ISO 4406:1999 (c)		18/16/11	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 74	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 15	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2618	---	---	---
Magnesium	ppm	█ 44	---	---	---
Zinc	ppm	█ 617	---	---	---
Phosphorus	ppm	█ 525	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 33	---	---	---

Depot: VOLVO8882
Unique No: 10846679
Signed: Doug Bogart
Report Date: 26 Jan 2024

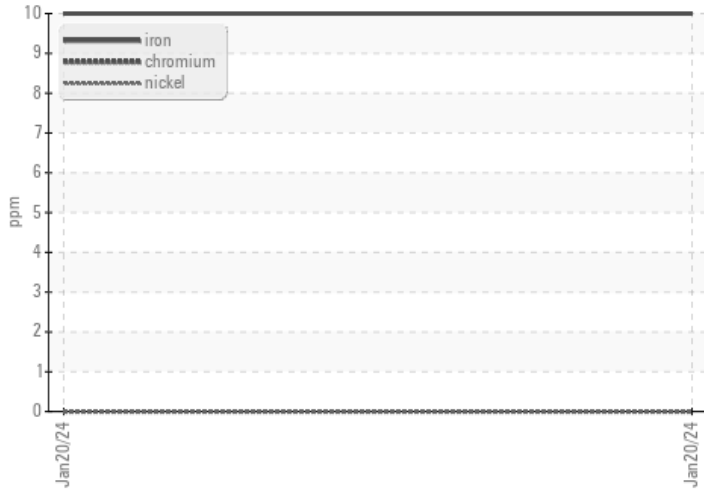


CONSTRUCTION EQUIPMENT

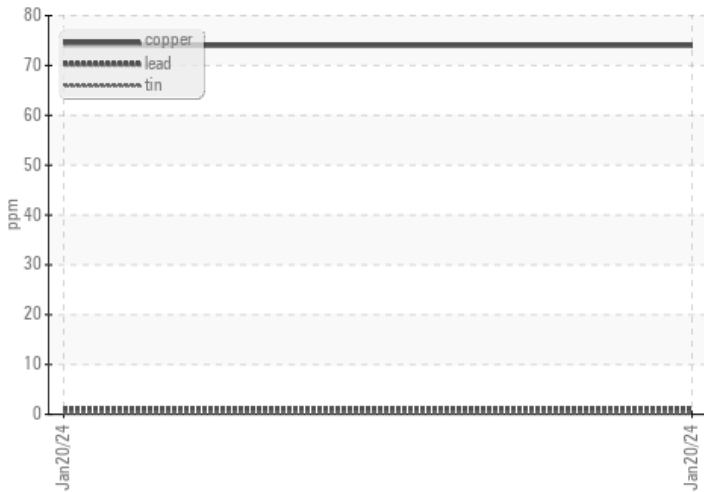


GRAPHS

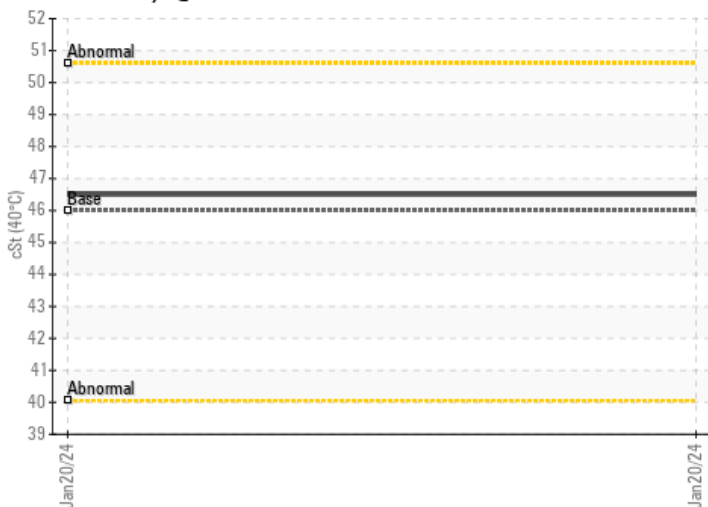
Ferrous Alloys



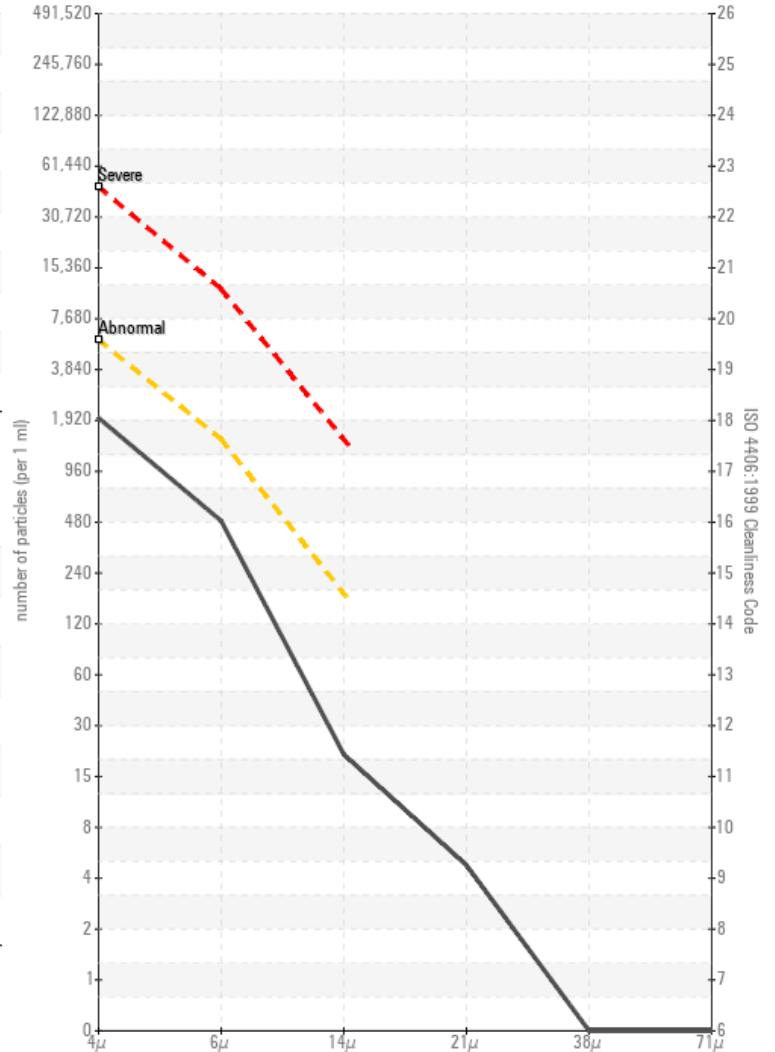
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

