



CONSTRUCTION EQUIPMENT

332471 JCB 270T 3039362 - HYDRAULIC SYSTEM



Sample No: VCP341049
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 332471



SAMPLE INFORMATION

Sample Number	VCP341049	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	911	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	█ 45.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	---	---	---



CONTAMINATION

Particles >4µm		▲ 121488	---	---	---
Particles >6µm		▲ 17243	---	---	---
Particles >14µm		▲ 470	---	---	---
ISO 4406:1999 (c)		24/21/16	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other 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 suitable for further service.



WEAR METALS

Iron	ppm	▲ 42	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 131	---	---	---
Magnesium	ppm	█ 33	---	---	---
Zinc	ppm	█ 379	---	---	---
Phosphorus	ppm	█ 317	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLV00142
Unique No: 10603278
Signed: Don Baldrige
Report Date: 15 Aug 2023

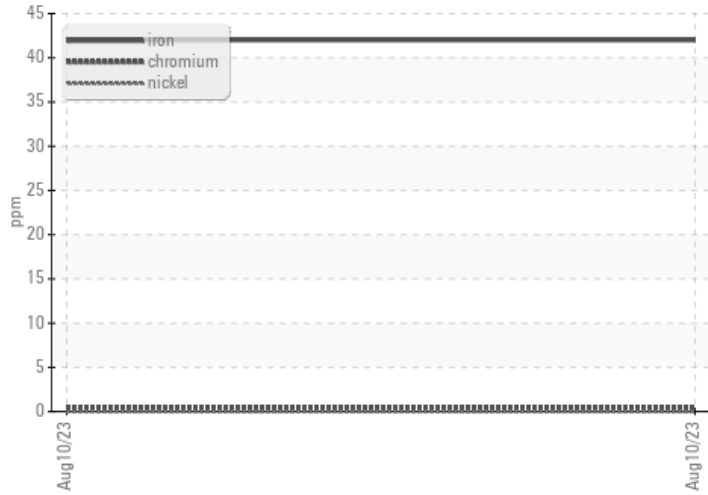


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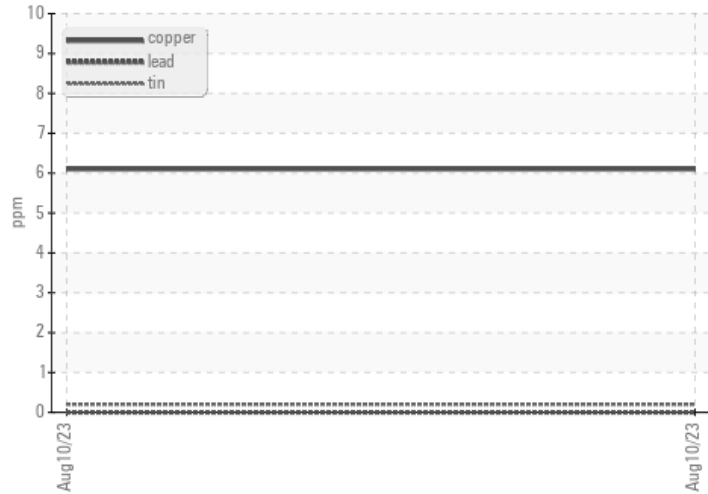


VOLVO GRAPHS

▲ Ferrous Alloys



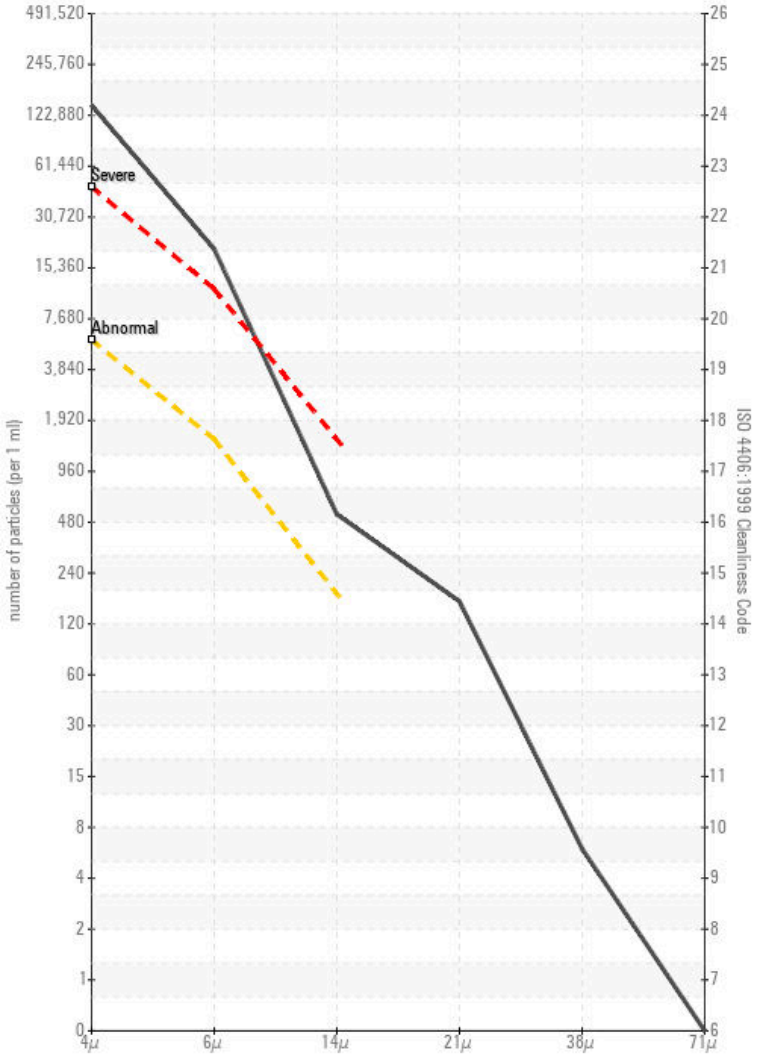
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

