



CONSTRUCTION EQUIPMENT

9549 EARTHMOVERS BROCE BROOM BB-250-B-BRC 305014 - HYDRAULIC SYSTEM



Sample No: VCP438971
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 9549 EARTHMOVERS



SAMPLE INFORMATION

Sample Number	VCP438971	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	578	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 50.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.57	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 178998	---	---	---
Particles >6µm		▲ 29879	---	---	---
Particles >14µm		▲ 271	---	---	---
ISO 4406:1999 (c)		25/22/15	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

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	█ 21	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 790	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 566	---	---	---
Phosphorus	ppm	█ 535	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VOLVO0093
Unique No: 10836912
Signed: Don Baldrige
Report Date: 23 Jan 2024



CONSTRUCTION EQUIPMENT

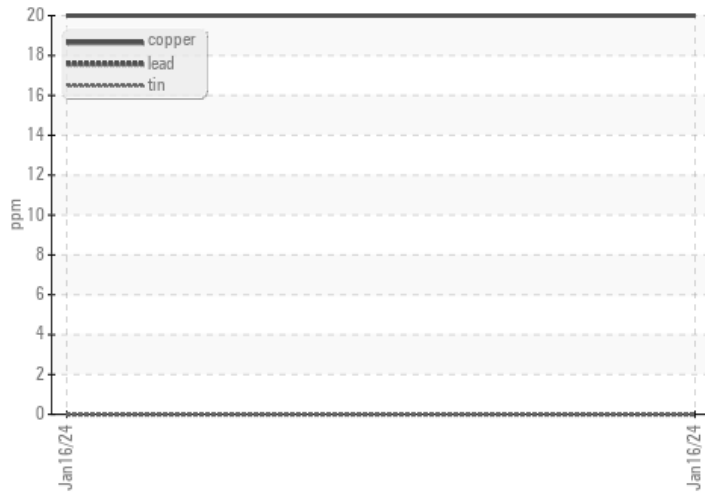


GRAPHS

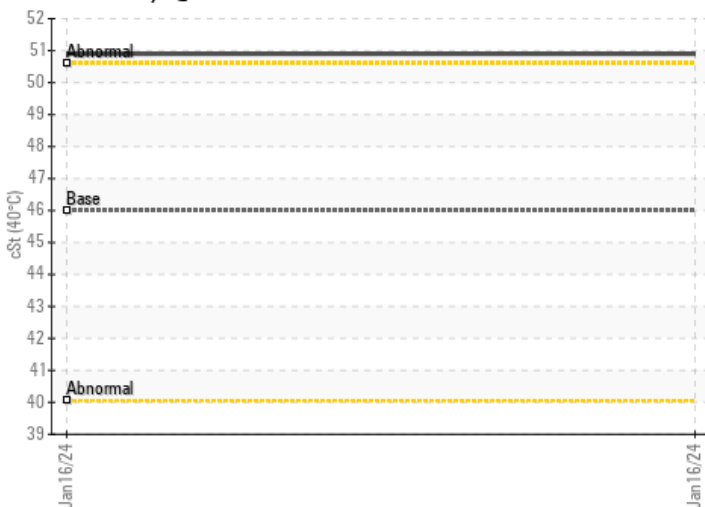
Ferrous Alloys



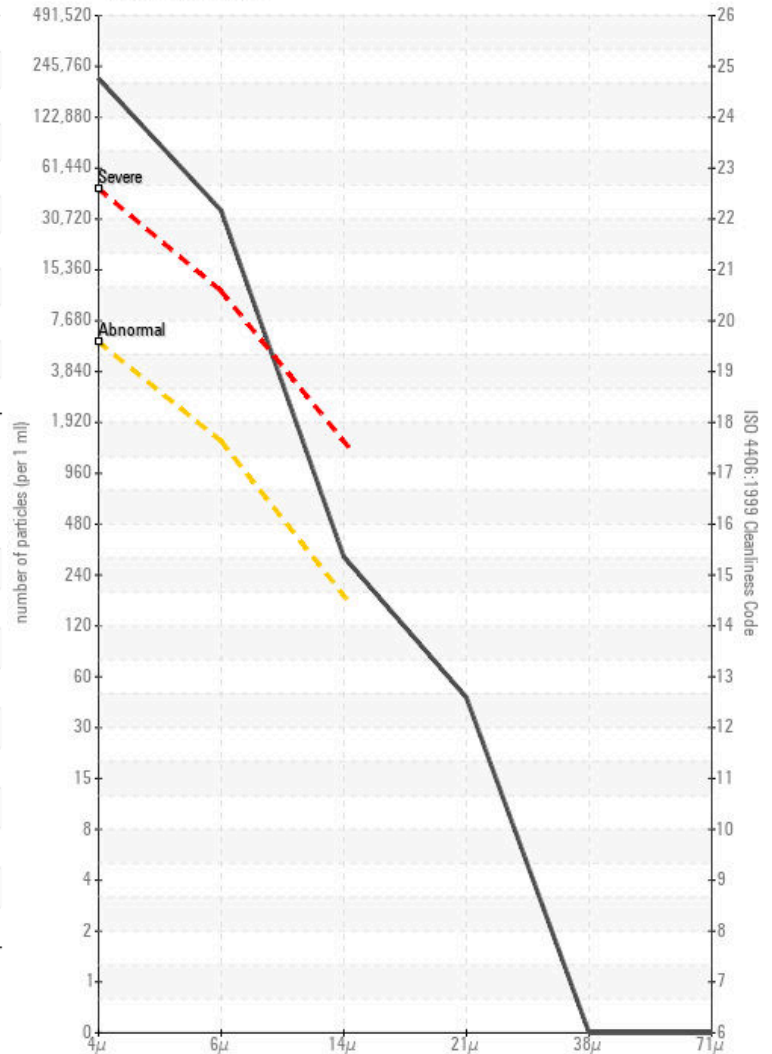
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

