



CONSTRUCTION EQUIPMENT

342919 BEST POOLS TAKEUCHI TL6 406003096 - HYDRAULIC SYSTEM



Sample No: VCP432649
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 342919 BEST POOLS



SAMPLE INFORMATION

Sample Number	VCP432649	---	---	---
Sample Date	22 Aug 2023	---	---	---
Machine Hours	547	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 45.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.659	---	---	---

CONTAMINATION

Particles >4µm		▲ 22822	---	---	---
Particles >6µm		█ 917	---	---	---
Particles >14µm		█ 33	---	---	---
ISO 4406:1999 (c)		22/17/12	---	---	---
Silicon	ppm	█ 6	---	---	---
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 silt (particulates < 14 microns in size) 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	█ 6	---	---	---
Copper	ppm	█ 49	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 17	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 3731	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 670	---	---	---
Phosphorus	ppm	█ 521	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 13	---	---	---

Depot: VOLVO0096
Unique No: 10621333
Signed: Don Baldrige
Report Date: 29 Aug 2023

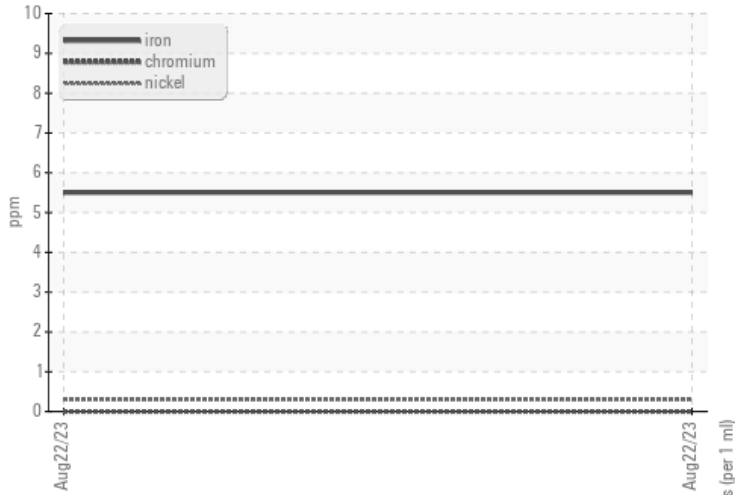


CONSTRUCTION EQUIPMENT

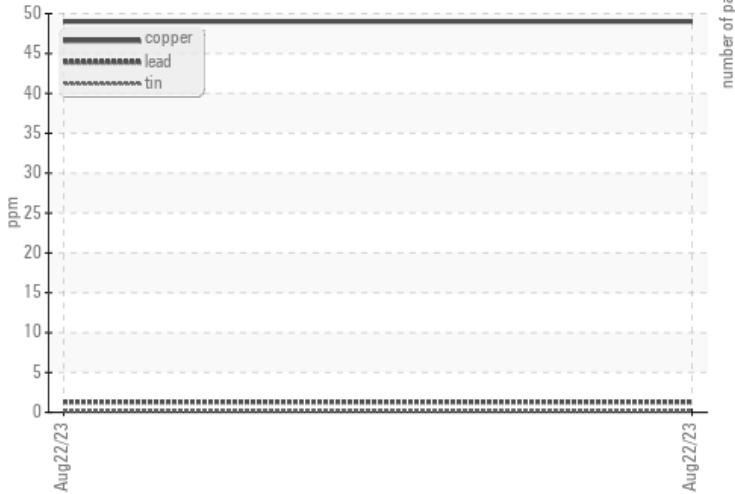


GRAPHS

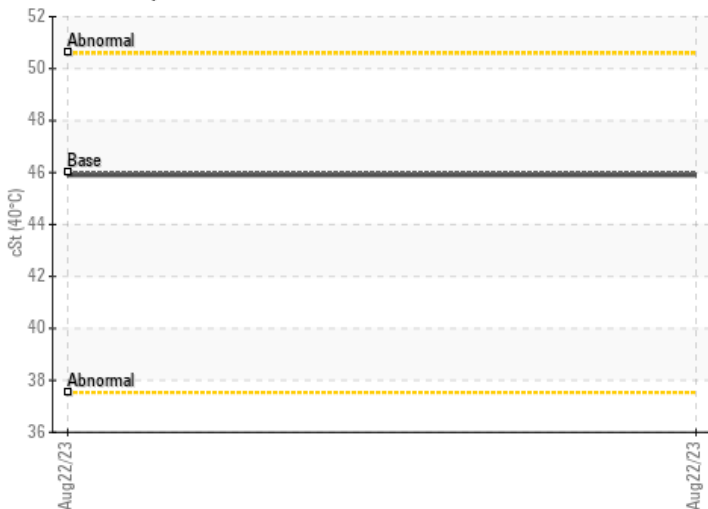
Ferrous Alloys



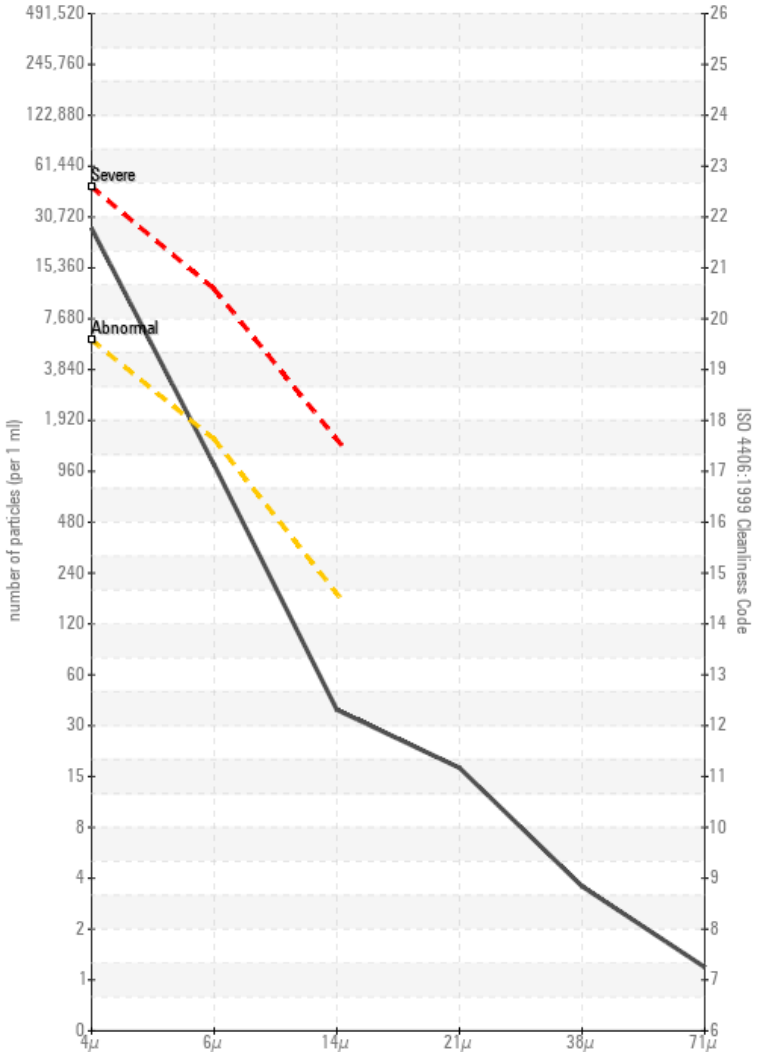
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

