



CONSTRUCTION EQUIPMENT

369376 HIBBITS CONCE TAKEUCHI TB290 185102606 - HYDRAULIC SYSTEM



Sample No: VCP371167
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 369376 HIBBITS CONCE



SAMPLE INFORMATION

Sample Number	VCP371167	---	---	---
Sample Date	26 Sep 2023	---	---	---
Machine Hours	2686	---	---	---
Oil Hours	2686	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	█ 46.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.25	---	---	---



CONTAMINATION

Particles >4µm		▲ 6724	---	---	---
Particles >6µm		█ 1191	---	---	---
Particles >14µm		█ 108	---	---	---
ISO 4406:1999 (c)		20/17/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

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 moderate 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	█ 7	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 163	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 195	---	---	---
Phosphorus	ppm	█ 317	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VOLVO0093
Unique No: 10709066
Signed: Don Baldrige
Report Date: 25 Oct 2023

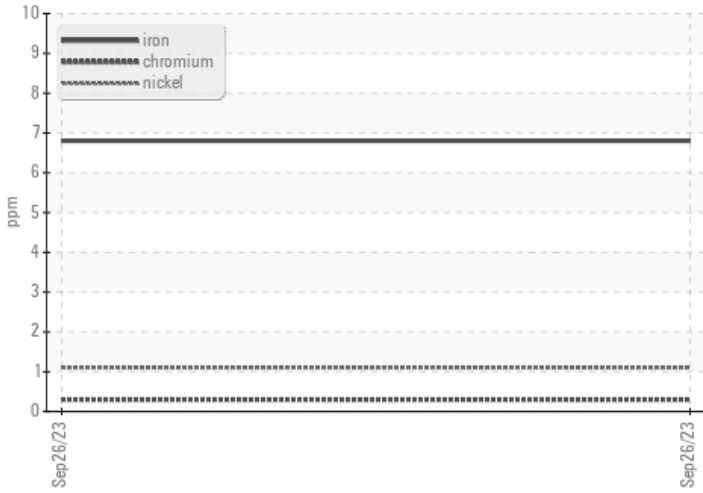


CONSTRUCTION EQUIPMENT

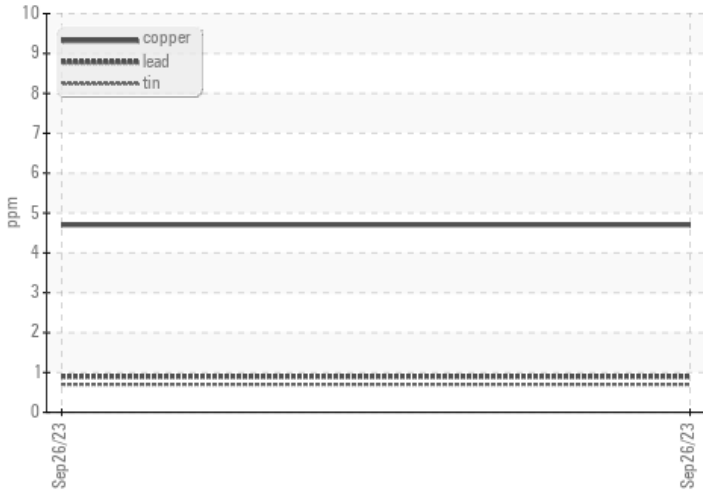


GRAPHS

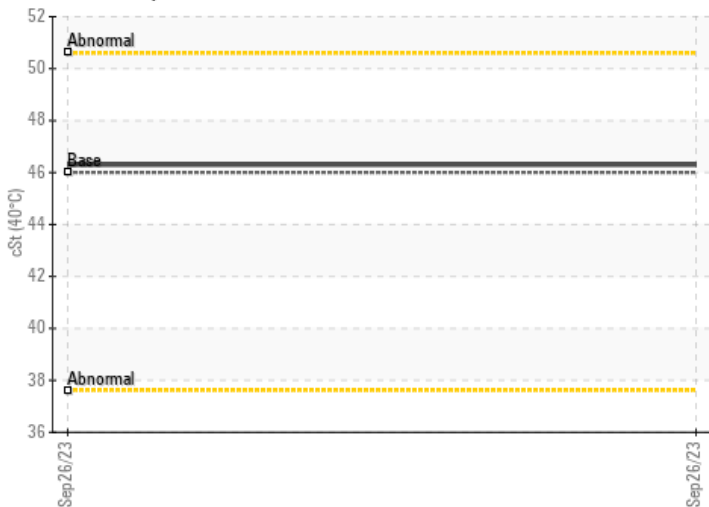
Ferrous Alloys



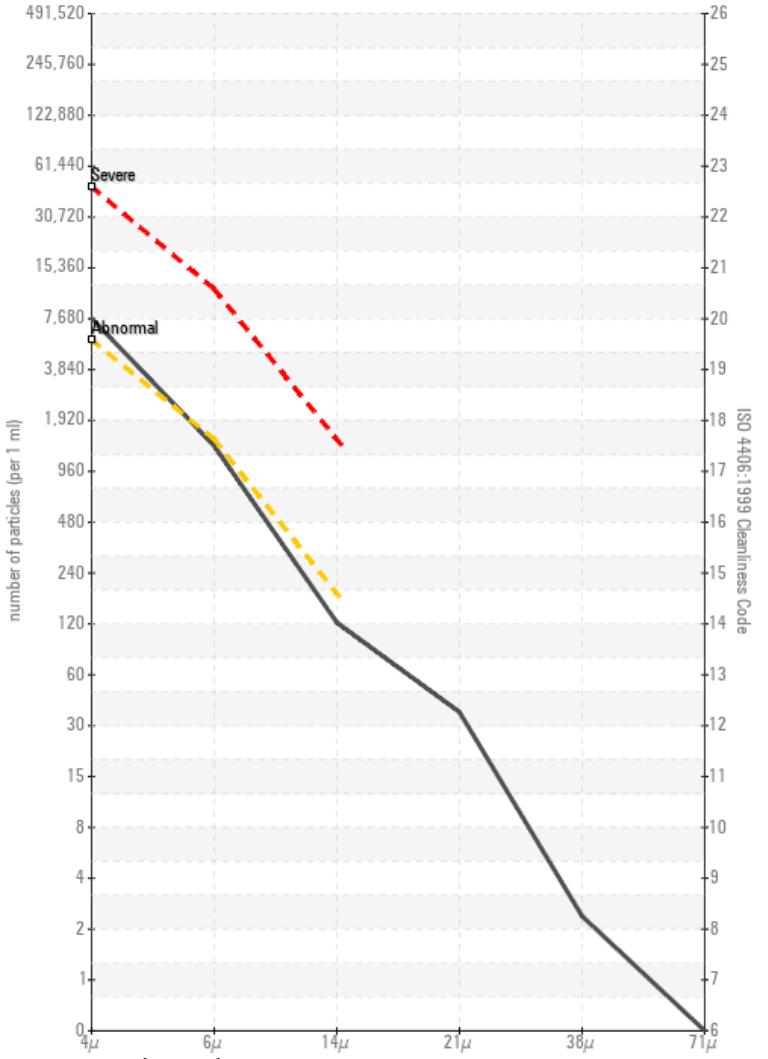
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

