



CONSTRUCTION EQUIPMENT

306218 VOLVO A40G 352961 - HYDRAULIC SYSTEM



Sample No: VCP417838

Oil Type: NOT GIVEN

Job No: 306218



SAMPLE INFORMATION

Sample Number	VCP417838	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	2532	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



ALTA EQUIPMENT

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



OIL CONDITION

Visc @ 40°C	cSt	51.8	---	---	---
Acid Number (AN)	mg KOH/g	0.95	---	---	---



CONTAMINATION

Particles >4µm		55359	---	---	---
Particles >6µm		▲ 17010	---	---	---
Particles >14µm		▲ 1016	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 suitable for further service.



WEAR METALS

Iron	ppm	■ 19	---	---	---
Copper	ppm	■ 109	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3173	---	---	---
Magnesium	ppm	34	---	---	---
Zinc	ppm	1416	---	---	---
Phosphorus	ppm	1149	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	86	---	---	---

Depot: VOLV00142
Unique No: 10559876
Signed: Jonathan Hester
Report Date: 17 Jul 2023

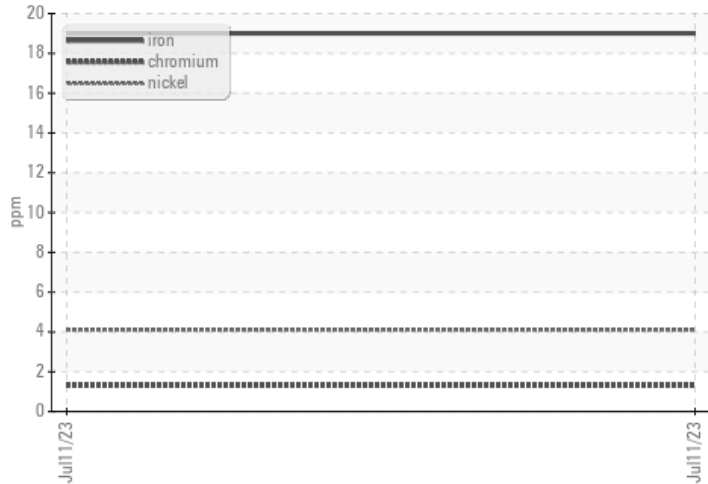


CONSTRUCTION EQUIPMENT

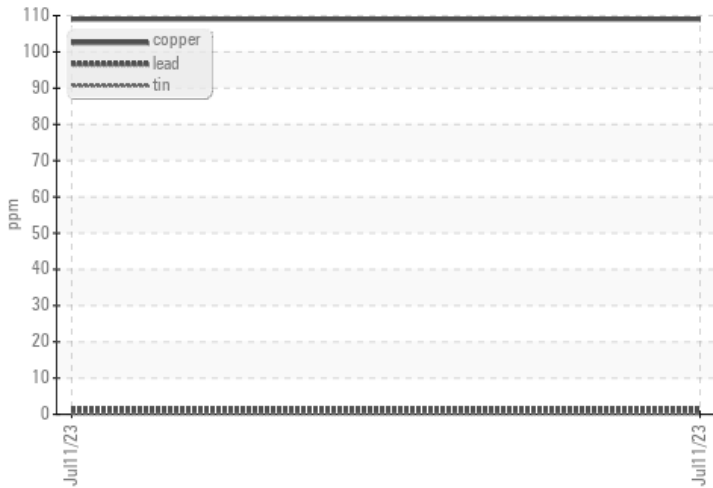


GRAPHS

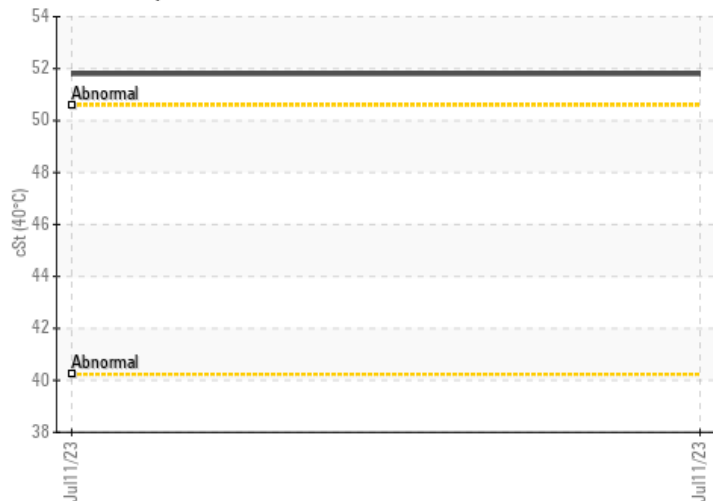
Ferrous Alloys



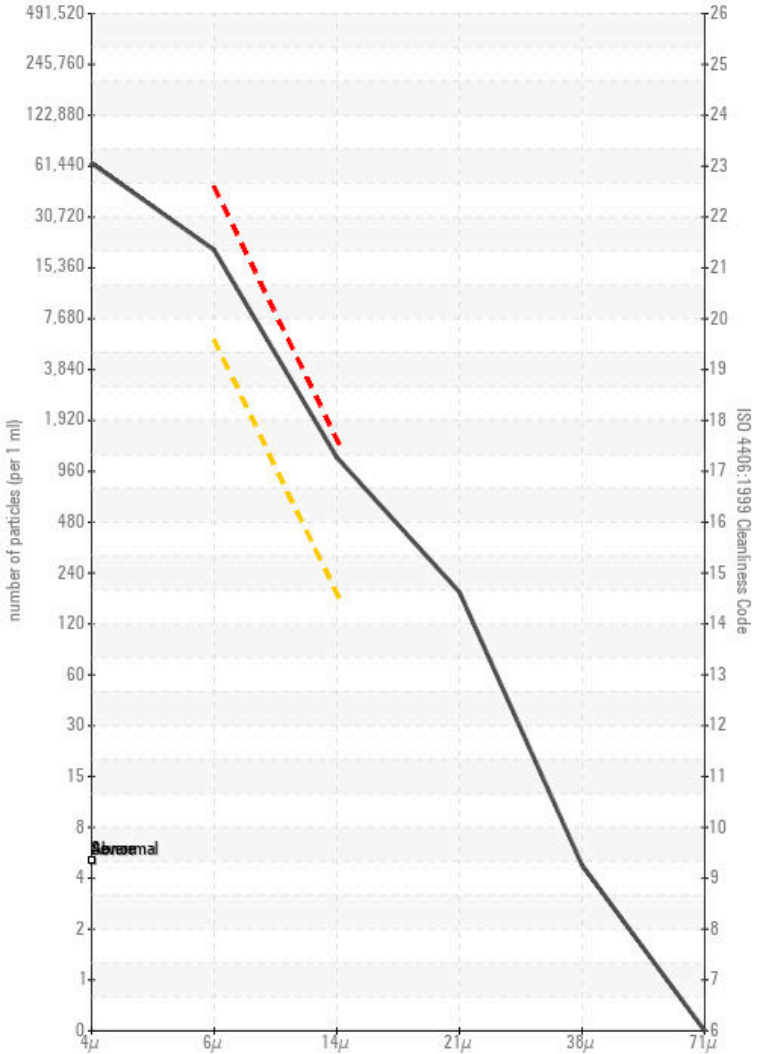
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

