



CONSTRUCTION EQUIPMENT

606949 ALTA RENTS TAKEUCHI TL10 410006539 - HYDRAULIC SYSTEM



Sample No: VCP432760
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 606949 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP432760	VCP411733	VCP398464	---
Sample Date	14 Sep 2023	31 May 2023	21 Mar 2023	---
Machine Hours	977	437	169	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	---

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720

OIL CONDITION

Visc @ 40°C	cSt	▲ 56.85	■ 46.4	■ 50.2	---
Acid Number (AN)	mg KOH/g	■ 0.89	■ 0.88	■ 0.84	---

CONTAMINATION

Particles >4µm		▲ 7117	▲ 17222	▲ 16803	---
Particles >6µm		▲ 1606	▲ 3590	▲ 3458	---
Particles >14µm		■ 134	▲ 168	▲ 256	---
ISO 4406:1999 (c)		20/18/14	21/19/15	21/19/15	---
Silicon	ppm	■ 4	■ 6	■ 6	---
Sodium	ppm	■ 3	■ 2	■ 1	---
Potassium	ppm	■ 1	■ 0	■ 0	---

Diagnosis

Oil and 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 oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	■ 8	■ 4	■ 3	---
Copper	ppm	■ 15	■ 10	■ 5	---
Lead	ppm	■ 1	■ 2	■ <1	---
Tin	ppm	■ 0	■ <1	■ <1	---
Aluminum	ppm	■ 0	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 0	■ <1	---
Molybdenum	ppm	▲ 32	■ 16	■ 16	---
Nickel	ppm	■ 0	■ 0	■ 0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	■ <1	■ <1	■ <1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	▲ 2501	■ 3635	■ 3624	---
Magnesium	ppm	▲ 330	■ 12	■ 13	---
Zinc	ppm	■ 827	■ 692	■ 667	---
Phosphorus	ppm	■ 605	■ 551	■ 547	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 19	■ 13	■ 13	---

Depot: VOLVO0096
Unique No: 10655147
Signed: Jonathan Hester
Report Date: 25 Sep 2023

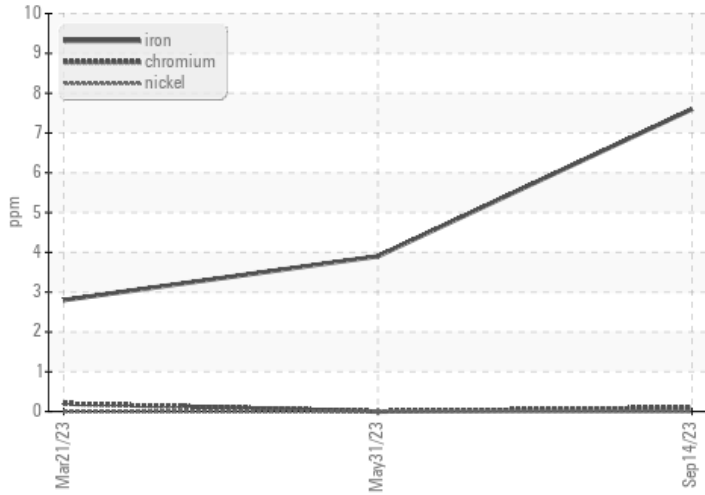


CONSTRUCTION EQUIPMENT

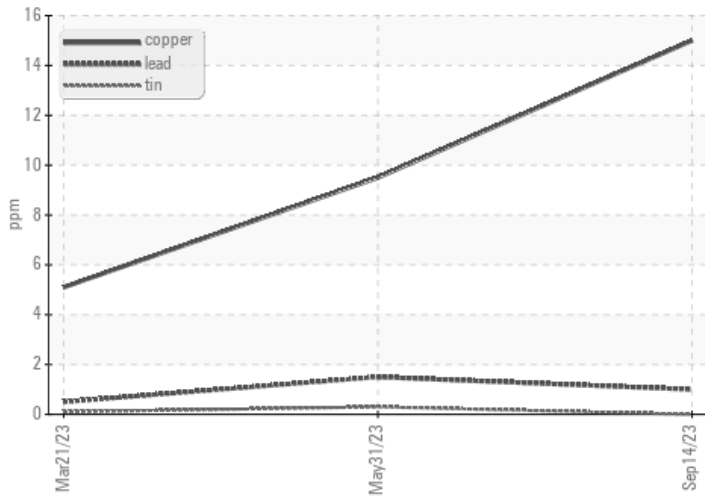


GRAPHS

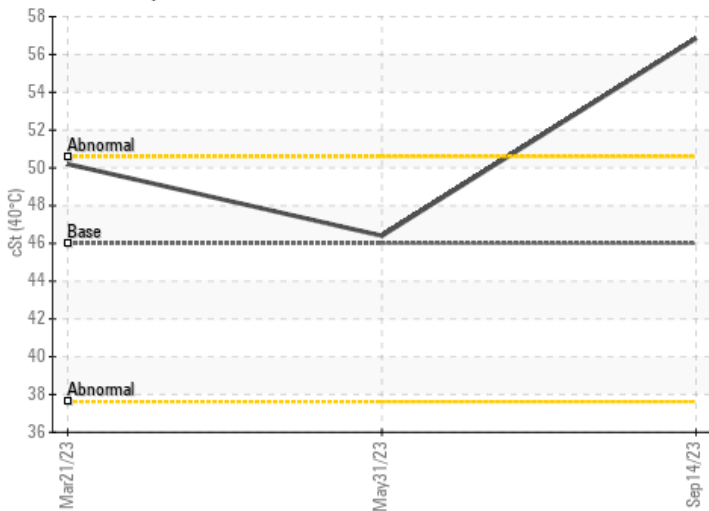
Ferrous Alloys



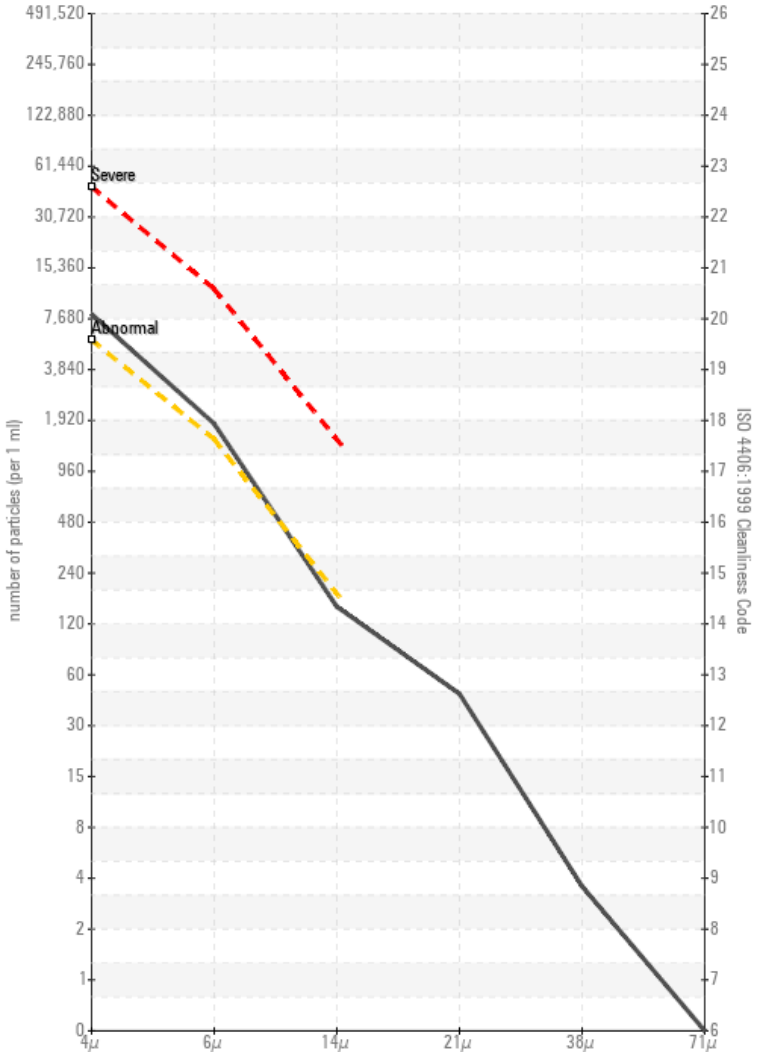
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

