



CONSTRUCTION EQUIPMENT

554891 ALTA RENTS TAKEUCHI TL10 410006539 - HYDRAULIC SYSTEM



Sample No: VCP411733
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 554891 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP411733	VCP398464	---	---
Sample Date	31 May 2023	21 Mar 2023	---	---
Machine Hours	437	169	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

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

CONTAMINATION

Particles >4µm		17222	16803	---	---
Particles >6µm		3590	3458	---	---
Particles >14µm		168	256	---	---
ISO 4406:1999 (c)		21/19/15	21/19/15	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	0	0	---	---

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 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	4	3	---	---
Copper	ppm	10	5	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	16	16	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	3635	3624	---	---
Magnesium	ppm	12	13	---	---
Zinc	ppm	692	667	---	---
Phosphorus	ppm	551	547	---	---
Barium	ppm	0	0	---	---
Boron	ppm	13	13	---	---

Depot: VOLVO0096
Unique No: 10498655
Signed: Doug Bogart
Report Date: 06 Jun 2023

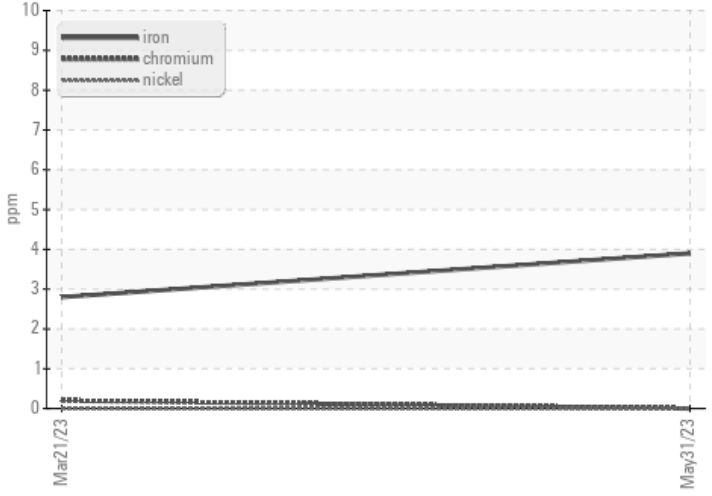


CONSTRUCTION EQUIPMENT

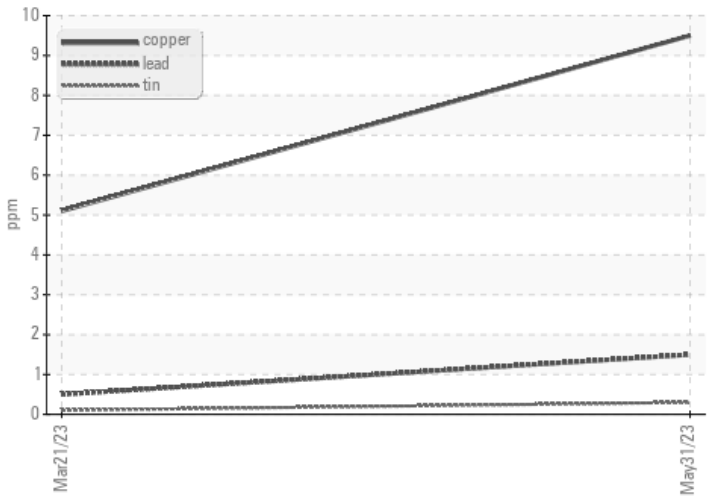


GRAPHS

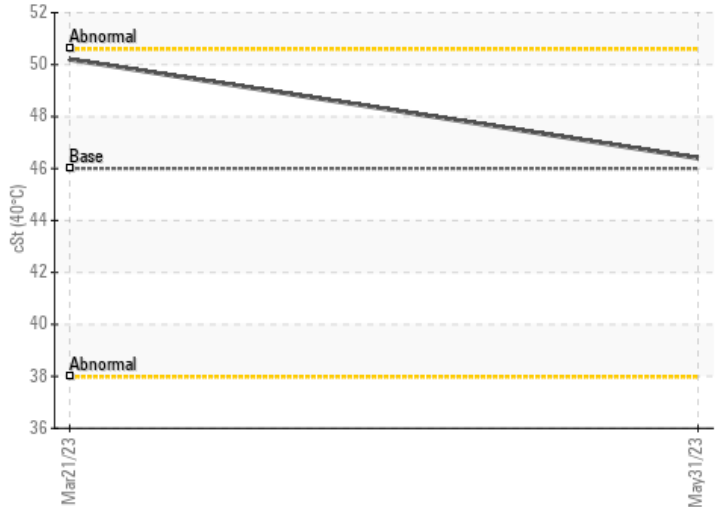
Ferrous Alloys



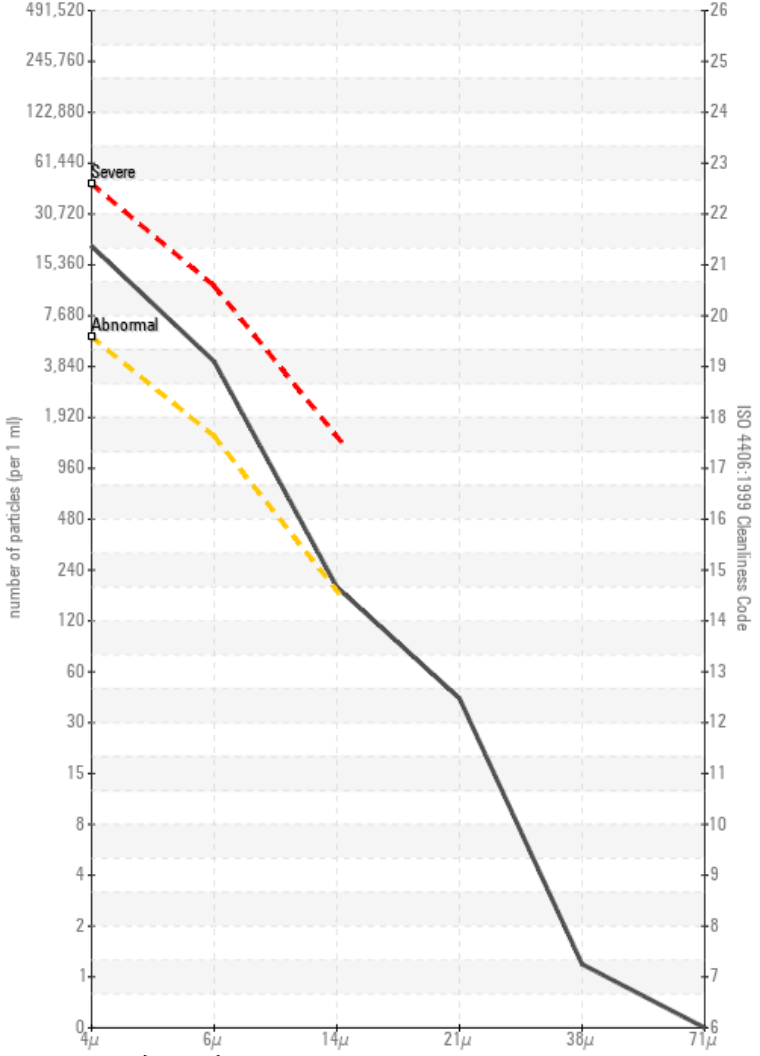
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

