



CONSTRUCTION EQUIPMENT

621895 ALTA RENTS TAKEUCHI TL6 406003097 - HYDRAULIC SYSTEM



Sample No: VCP431266
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 621895 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP431266	VCP370648	---	---
Sample Date	30 Oct 2023	12 Dec 2022	---	---
Machine Hours	472	206	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	46.5	48.0	---	---
Acid Number (AN)	mg KOH/g	0.61	0.76	---	---

CONTAMINATION

Particles >4µm		43211	81946	---	---
Particles >6µm		7358	7619	---	---
Particles >14µm		963	850	---	---
ISO 4406:1999 (c)		23/20/17	24/20/17	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	2	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	10	10	---	---
Copper	ppm	52	25	---	---
Lead	ppm	3	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	21	22	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	3285	3500	---	---
Magnesium	ppm	52	59	---	---
Zinc	ppm	666	657	---	---
Phosphorus	ppm	520	568	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	30	32	---	---

Depot: VOLVO0096
Unique No: 10724989
Signed: Don Baldrige
Report Date: 04 Nov 2023

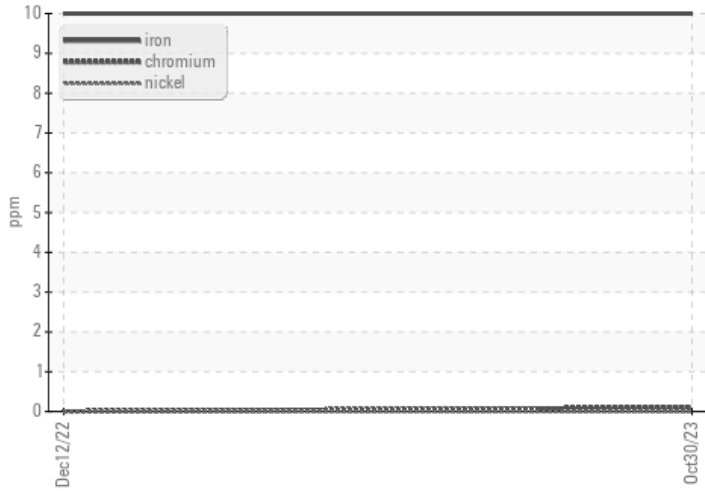


CONSTRUCTION EQUIPMENT

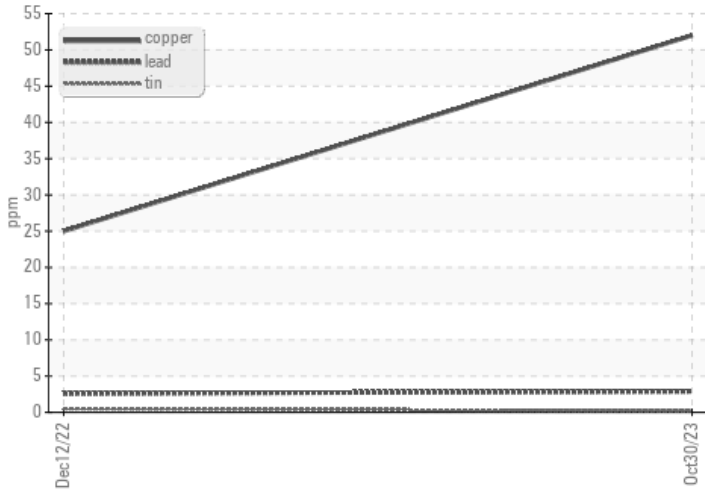


GRAPHS

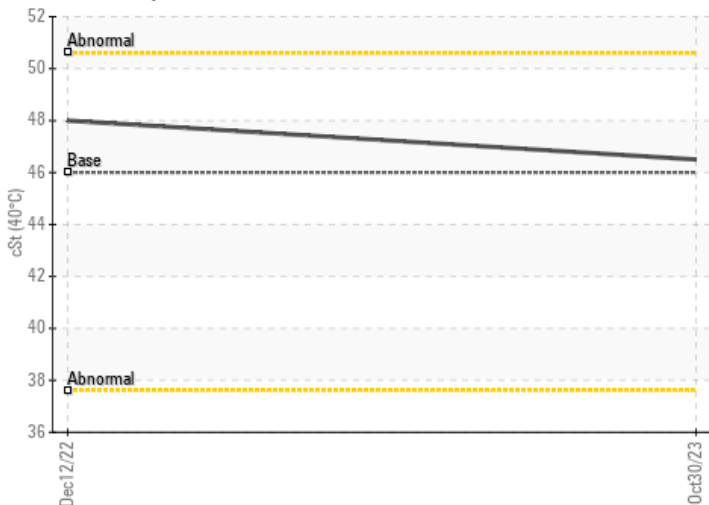
Ferrous Alloys



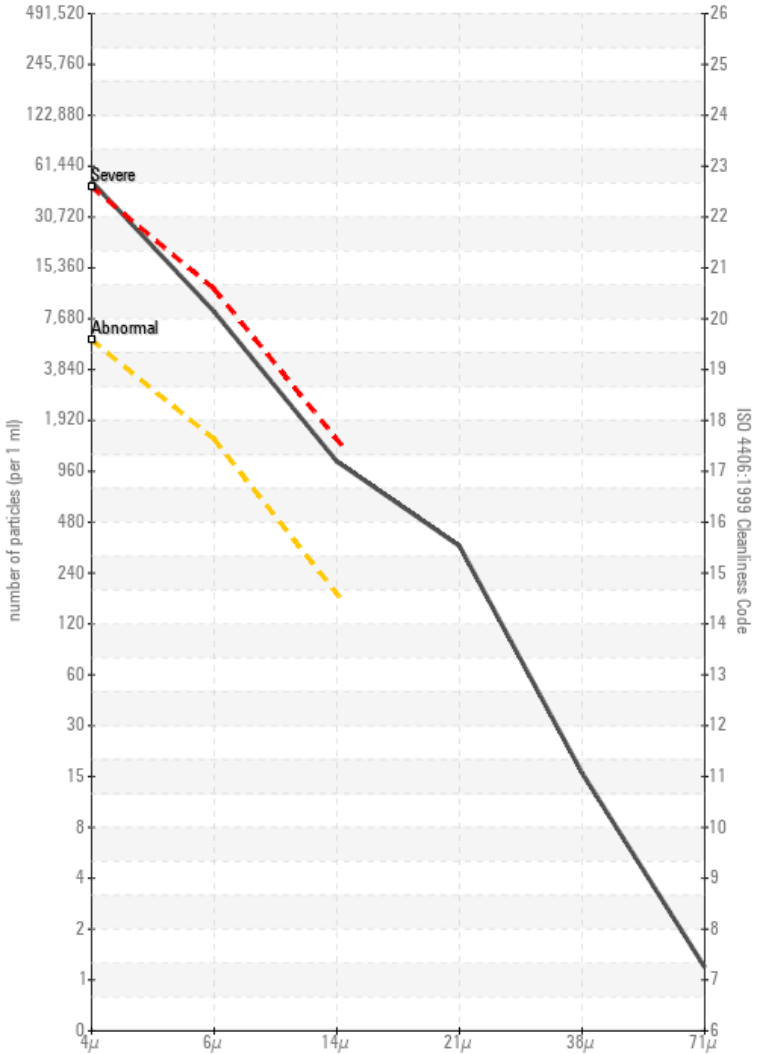
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

