



CONSTRUCTION EQUIPMENT

552084 MOSAIC TAKEUCHI TL10V2 410006491 - HYDRAULIC SYSTEM



Sample No: VCP407829
Oil Type: TAKEUCHI 15W40
Job No: 552084 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP407829	---	---	---
Sample Date	09 Jun 2023	---	---	---
Machine Hours	57	---	---	---
Oil Hours	57	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	66.4	---	---	---
Acid Number (AN)	mg KOH/g	1.13	---	---	---

CONTAMINATION

Particles >4µm		38592	---	---	---
Particles >6µm		2568	---	---	---
Particles >14µm		51	---	---	---
ISO 4406:1999 (c)		22/19/13	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	0	---	---	---
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 high 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 acceptable for the time in service.

WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	26	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	3053	---	---	---
Magnesium	ppm	157	---	---	---
Zinc	ppm	858	---	---	---
Phosphorus	ppm	708	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	44	---	---	---

Depot: VOLVO0093
Unique No: 10550750
Signed: Don Baldrige
Report Date: 12 Jul 2023

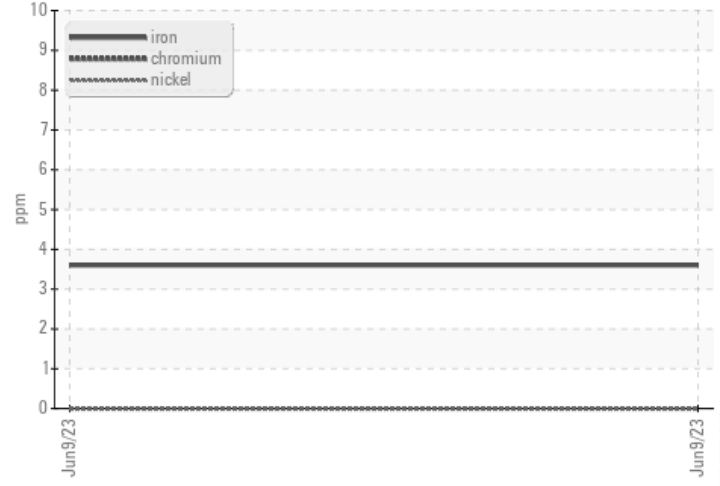


CONSTRUCTION EQUIPMENT

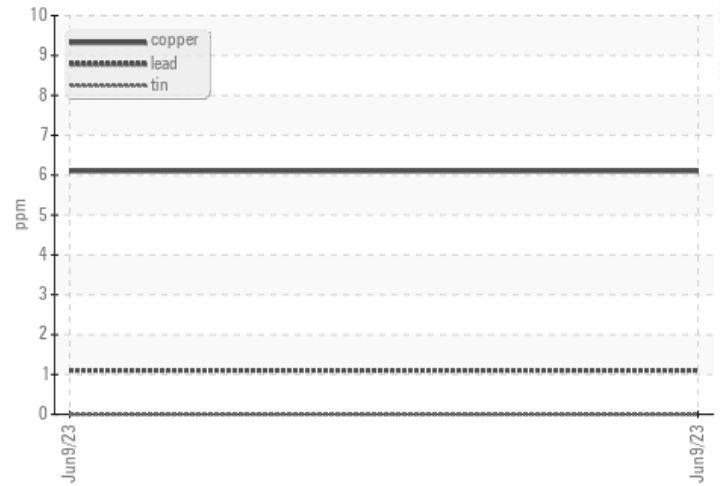


GRAPHS

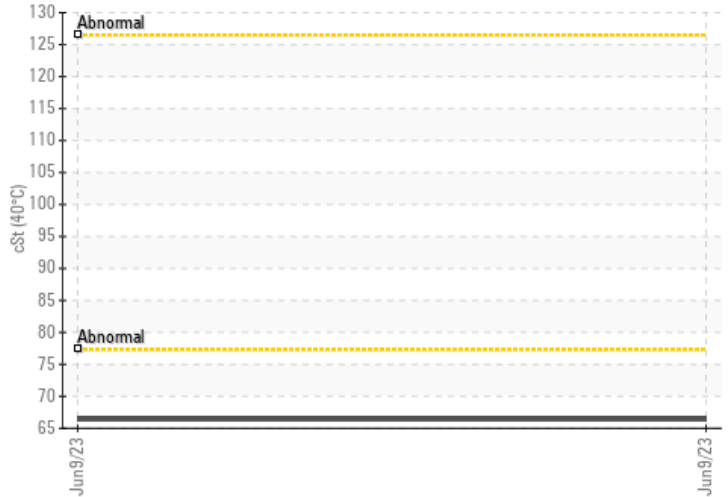
Ferrous Alloys



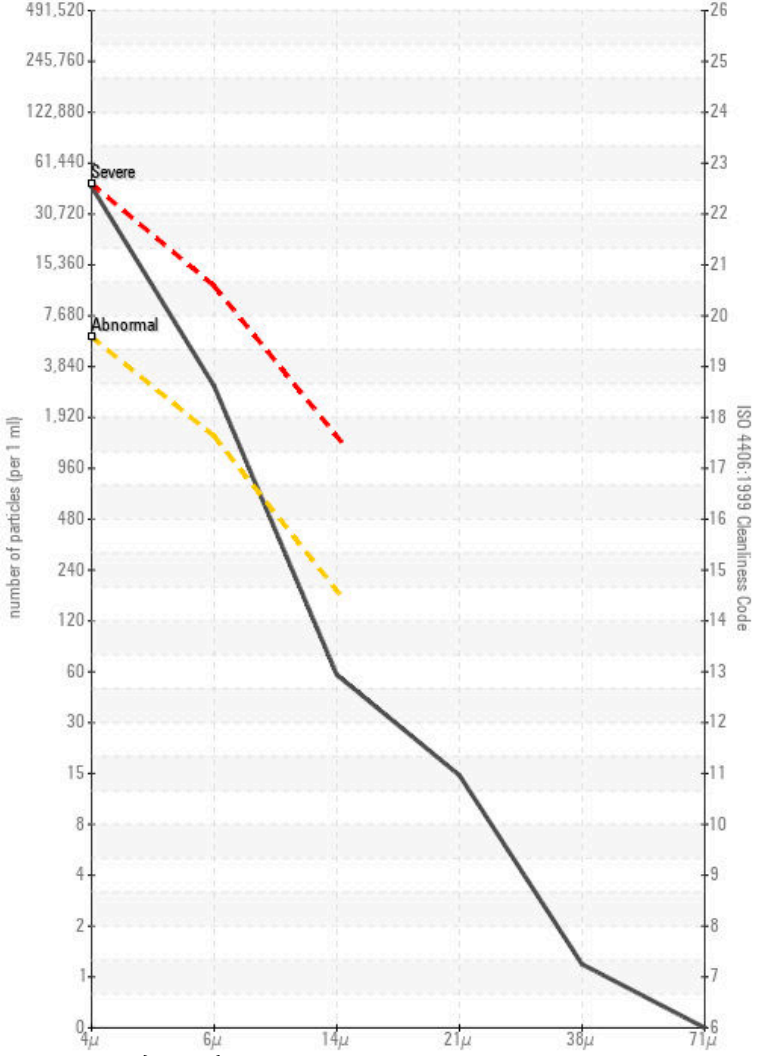
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

