



CONSTRUCTION EQUIPMENT

SWA443779 TAKEUCHI TL10V2 410004617 - HYDRAULIC SYSTEM



Sample No: VCP441332
Oil Type: MOBIL 1 SUPER 46
Job No: SWA443779



SAMPLE INFORMATION

Sample Number	VCP441332	VCP420587	---	---
Sample Date	10 Jan 2024	03 Jul 2023	---	---
Machine Hours	0	1060	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ATTENTION	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 48.6	█ 49.4	---	---
Acid Number (AN)	mg KOH/g	█ 0.66	█ 0.79	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 1939	▲ 8635	---	---
Particles >6µm		█ 90	▲ 1714	---	---
Particles >14µm		█ 6	█ 42	---	---
ISO 4406:1999 (c)		18/14/10	20/18/13	---	---
Silicon	ppm	█ 5	█ 6	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 0	█ <1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 9	█ 8	---	---
Copper	ppm	█ 26	█ 23	---	---
Lead	ppm	█ 2	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 4	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	17	█ 19	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2688	█ 2981	---	---
Magnesium	ppm	46	█ 51	---	---
Zinc	ppm	690	█ 754	---	---
Phosphorus	ppm	556	█ 588	---	---
Barium	ppm	0	█ 0	---	---
Boron	ppm	42	█ 44	---	---

Depot: VOLVO0090
Unique No: 10830629
Signed: Wes Davis
Report Date: 15 Jan 2024

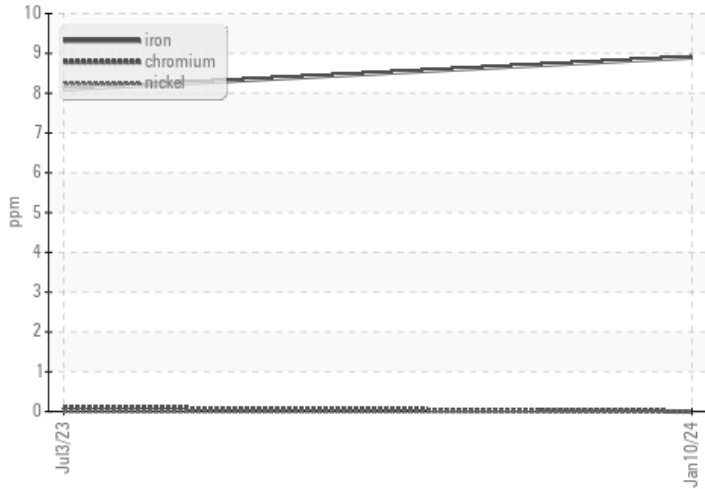


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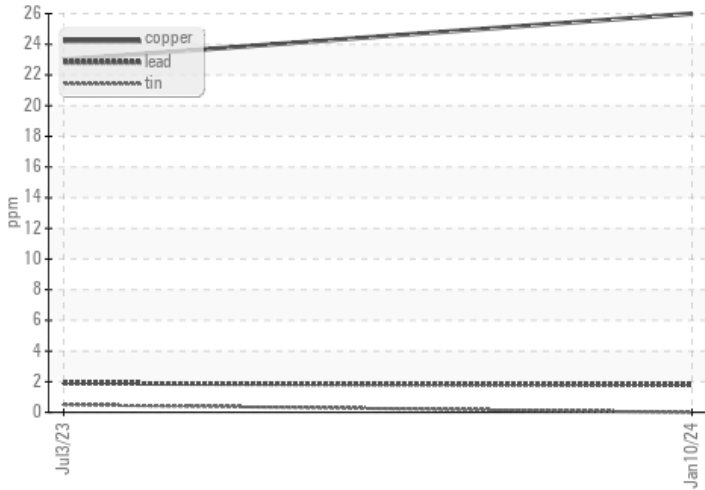


GRAPHS

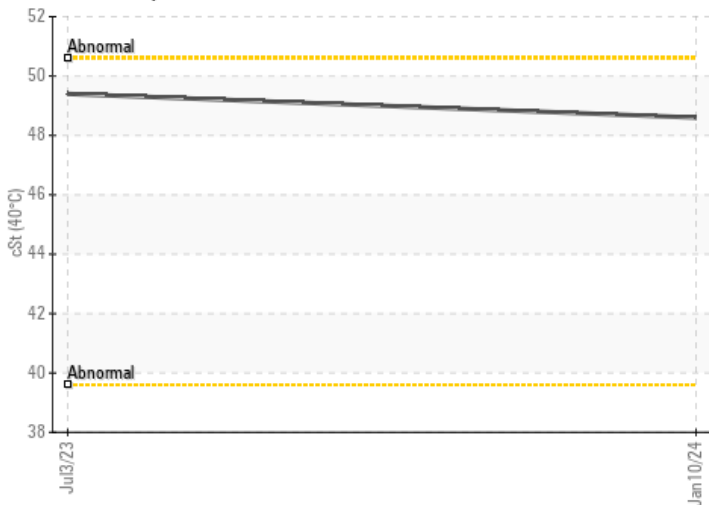
Ferrous Alloys



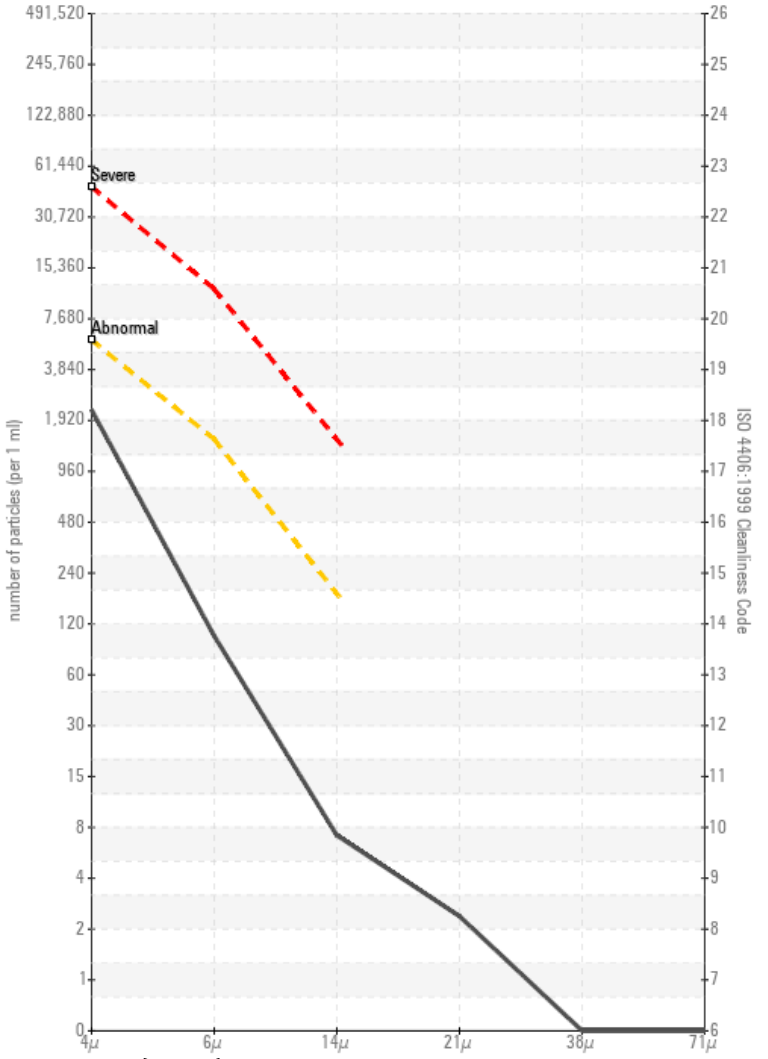
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

