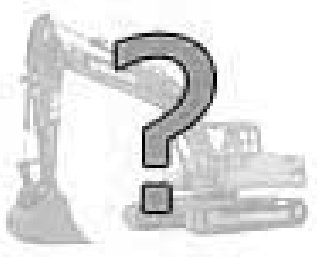
CONSTRUCTION EQUIPMENT

SWO-063198 HITACHI ZW2206-005407 - HYDRAULIC SYSTEM

Sample No: VCP424301
Oil Type: NOT GIVEN
Job No: SWO-063198



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SAMPLE INFORMATION

Sample Number		**VCP424301**	VCP402457	VCP337605	---
Sample Date		**26 Jun 2023**	21 Mar 2023	23 May 2022	---
Machine Hours		**2685**	2120	506	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Changed	Not Changd	---
Sample Status		**NORMAL**	NORMAL	ABNORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	**47.2**	47.1	47.6	---
Acid Number (AN)	mg KOH/g	**0.14**	0.16	0.14	---

CONTAMINATION

Particles >4µm		**1857**	1600	▲ 10642	---
Particles >6µm		**650**	477	▲ 3957	---
Particles >14µm		**35**	39	▲ 263	---
ISO 4406:1999 (c)		**18/17/12**	18/16/12	21/19/15	---
Silicon	ppm	**1**	1	1	---
Sodium	ppm	**1**	<1	0	---
Potassium	ppm	**1**	0	<1	---

WEAR METALS

Iron	ppm	**2**	3	2	---
Copper	ppm	**1**	1	2	---
Lead	ppm	**<1**	0	<1	---
Tin	ppm	**<1**	0	0	---
Aluminum	ppm	**0**	<1	1	---
Chromium	ppm	**0**	0	<1	---
Molybdenum	ppm	**<1**	<1	<1	---
Nickel	ppm	**0**	0	0	---
Titanium	ppm	**<1**	0	0	---
Silver	ppm	**0**	0	0	---
Manganese	ppm	**<1**	<1	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**4**	3	4	---
Magnesium	ppm	**6**	<1	<1	---
Zinc	ppm	**42**	41	41	---
Phosphorus	ppm	**478**	469	502	---
Barium	ppm	**<1**	0	2	---
Boron	ppm	**0**	0	0	---

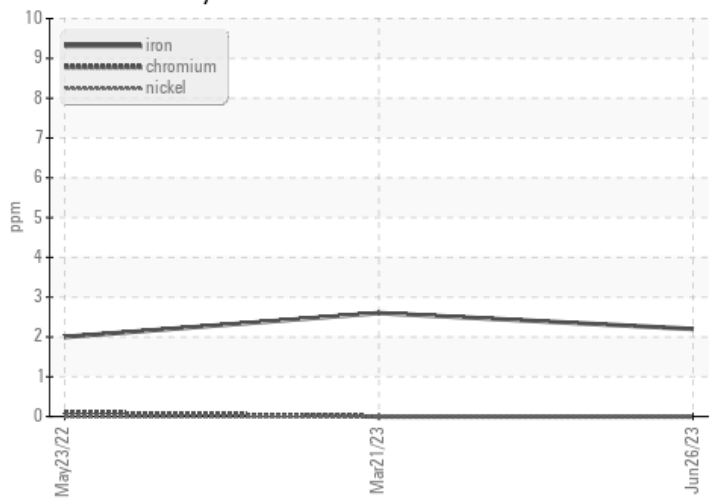
Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

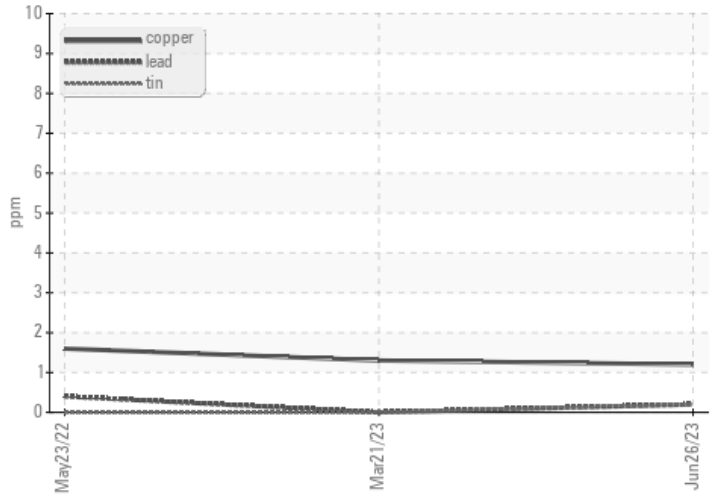
Depot: SAIBIR
Unique No: 10536041
Signed: Angela Borella
Report Date: 30 Jun 2023

GRAPHS

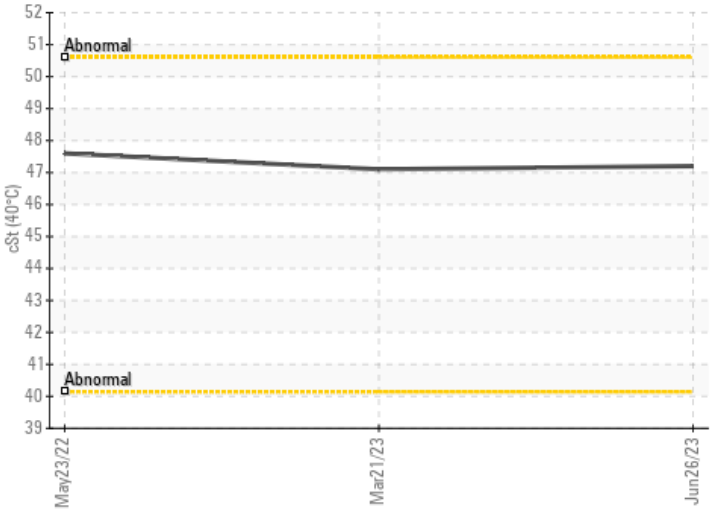
Ferrous Alloys



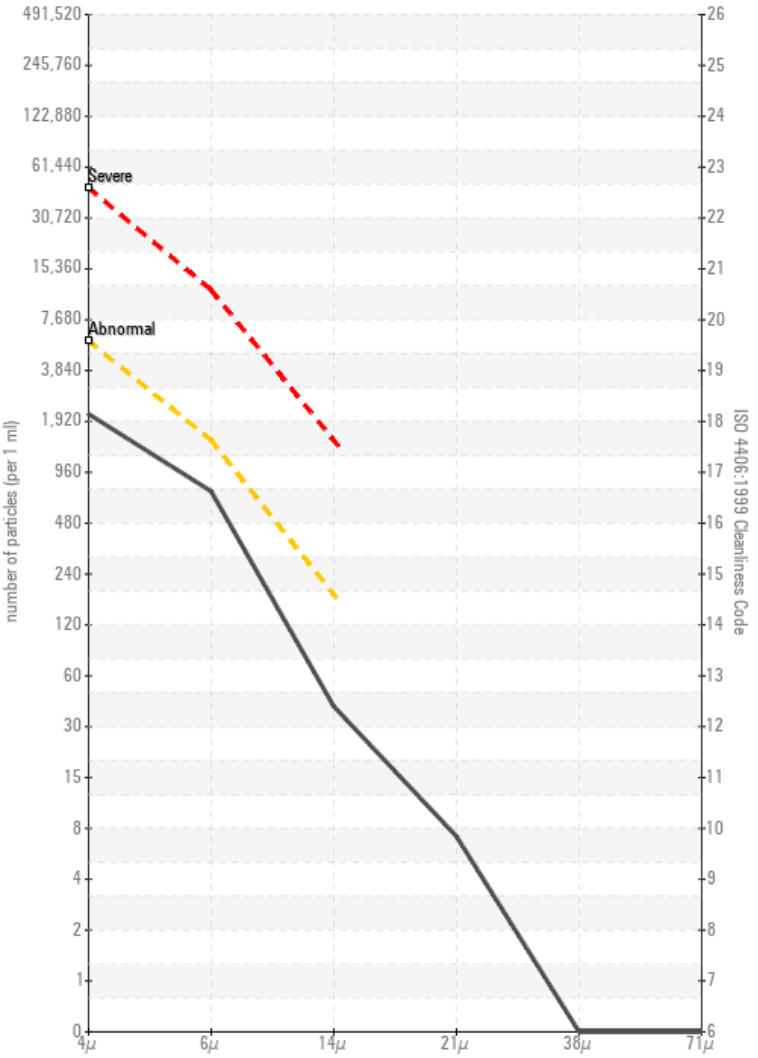
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number