



# CONSTRUCTION EQUIPMENT

## SWO-067137 HITACHI ZW2206-005407 - HYDRAULIC SYSTEM



**Sample No:** VCP431030  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-067137



### SAMPLE INFORMATION

Sample Number	<b>VCP431030</b>	VCP424301	VCP402457	VCP337605
Sample Date	<b>01 Nov 2023</b>	26 Jun 2023	21 Mar 2023	23 May 2022
Machine Hours	<b>3139</b>	2685	2120	506
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207

Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>47.1</b>	47.2	47.1	47.6
Acid Number (AN)	mg KOH/g	<b>0.17</b>	0.14	0.16	0.14



### CONTAMINATION

Particles >4µm	<b>651</b>	1857	1600	10642
Particles >6µm	<b>115</b>	650	477	3957
Particles >14µm	<b>9</b>	35	39	263
ISO 4406:1999 (c)	<b>17/14/10</b>	18/17/12	18/16/12	21/19/15
Silicon	ppm	<b>&lt;1</b>	1	1
Sodium	ppm	<b>2</b>	1	<1
Potassium	ppm	<b>0</b>	1	0

### Diagnosis

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



### WEAR METALS

Iron	ppm	<b>&lt;1</b>	2	3	2
Copper	ppm	<b>1</b>	1	1	2
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>0</b>	0	<1	1
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3</b>	4	3	4
Magnesium	ppm	<b>0</b>	6	<1	<1
Zinc	ppm	<b>8</b>	42	41	41
Phosphorus	ppm	<b>483</b>	478	469	502
Barium	ppm	<b>0</b>	<1	0	2
Boron	ppm	<b>0</b>	0	0	0

**Depot:** SAIBIR  
**Unique No:** 10728818  
**Signed:** Don Baldrige  
**Report Date:** 09 Nov 2023

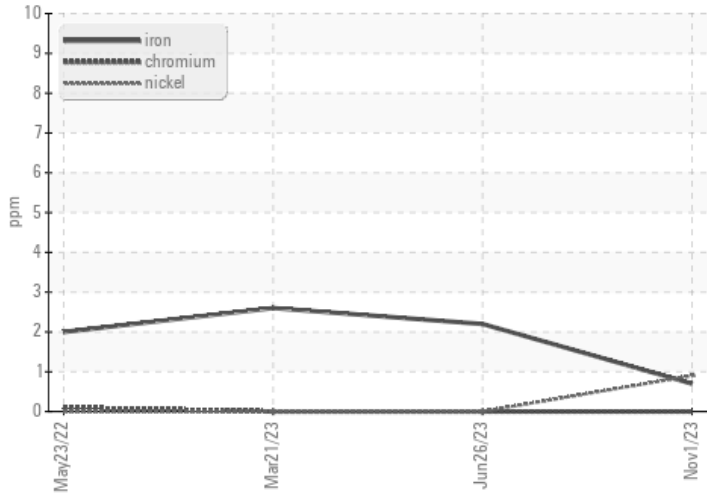


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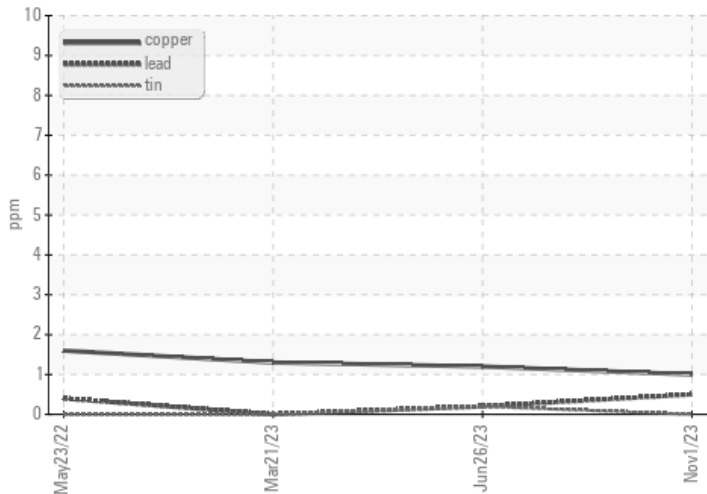


## VOLVO GRAPHS

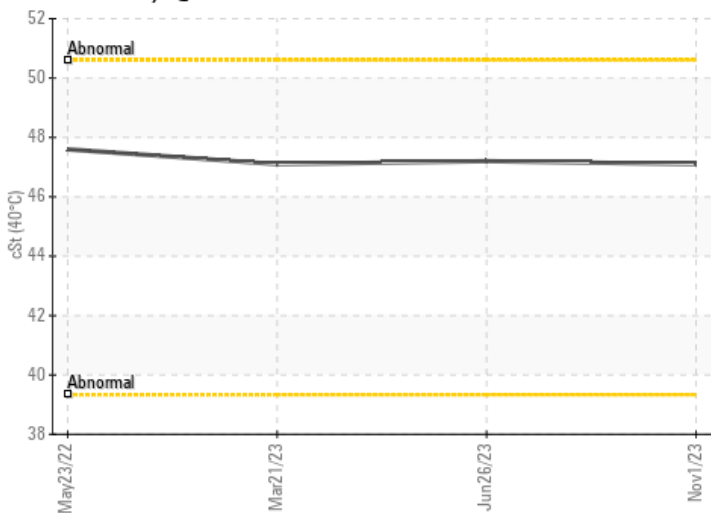
### Ferrous Alloys



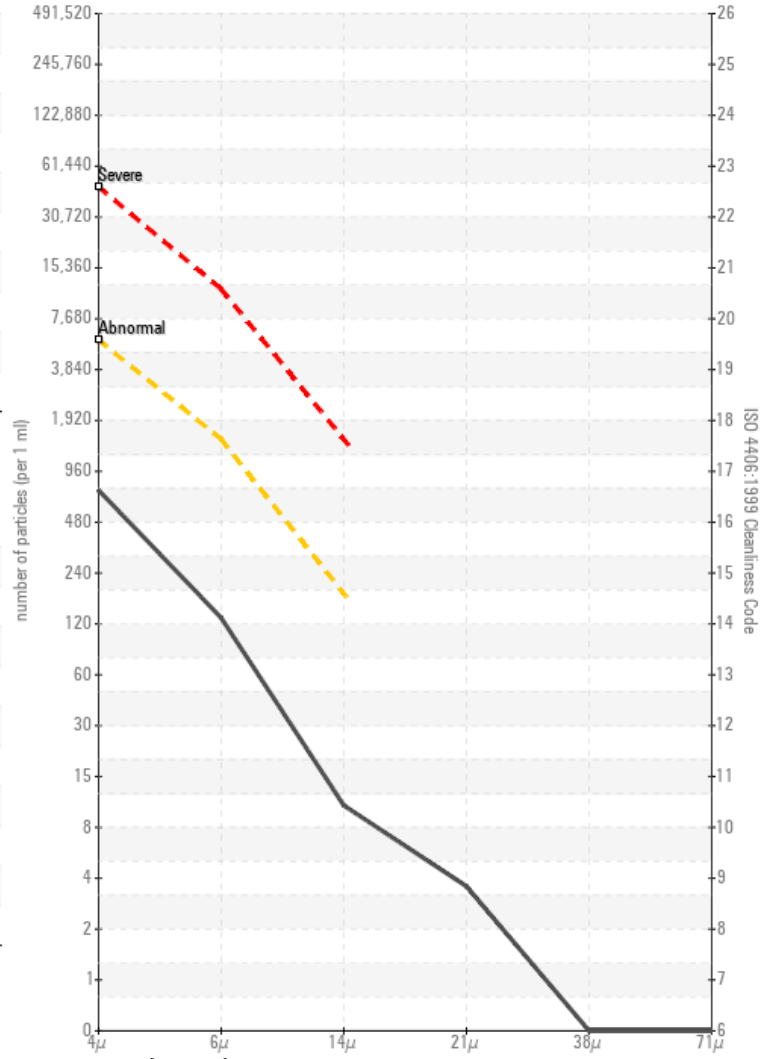
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

