

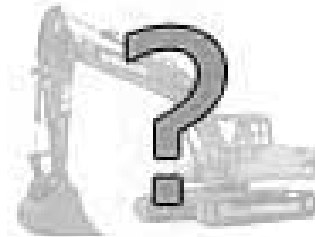


# CONSTRUCTION EQUIPMENT

## SWO-071198 EPIROC TMG2 ISEDO223 - HYDRAULIC SYSTEM



**Sample No:** VCP449836  
**Oil Type:** SHELL TELLUS S2 VX 46  
**Job No:** SWO-071198



### SAMPLE INFORMATION

Sample Number	<b>VCP449836</b>	VCP445300	VCP441323	VCP445715
Sample Date	<b>16 Apr 2024</b>	06 Mar 2024	30 Jan 2024	27 Nov 2023
Machine Hours	<b>4708</b>	4459	4133	3804
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

### SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207

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 T: (205)943-2268  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.7</b>	44.0	44.3	44.3
Acid Number (AN)	mg KOH/g	<b>0.53</b>	0.50	0.46	0.49

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>2134</b>	4925	776	8429
Particles >6µm		<b>230</b>	175	66	1136
Particles >14µm		<b>16</b>	4	5	38
ISO 4406:1999 (c)		<b>18/15/11</b>	19/15/9	17/13/10	20/17/12
Silicon	ppm	<b>3</b>	3	3	4
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>0</b>	1	1	2

### 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.

### WEAR METALS

Iron	ppm	<b>4</b>	3	4	4
Copper	ppm	<b>2</b>	2	2	2
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	2	1	1
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>106</b>	101	94	102
Magnesium	ppm	<b>4</b>	7	4	9
Zinc	ppm	<b>526</b>	491	502	472
Phosphorus	ppm	<b>378</b>	347	367	342
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	<1

**Depot:** SAIBIR  
**Unique No:** 10991250  
**Signed:** Don Baldrige  
**Report Date:** 24 Apr 2024

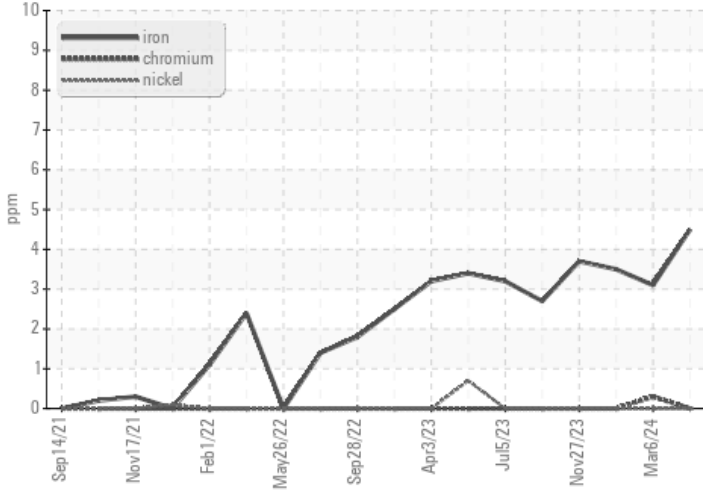


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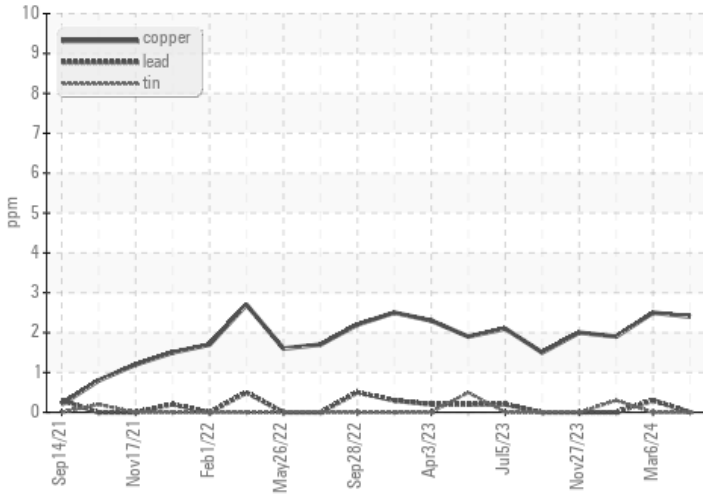


## GRAPHS

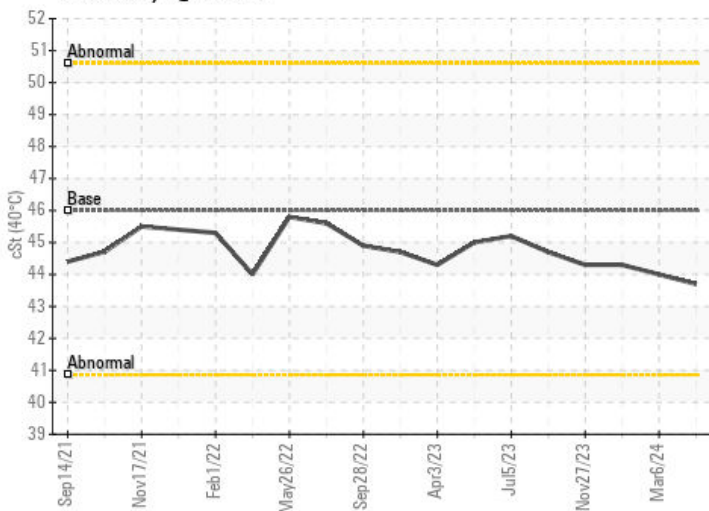
### Ferrous Alloys



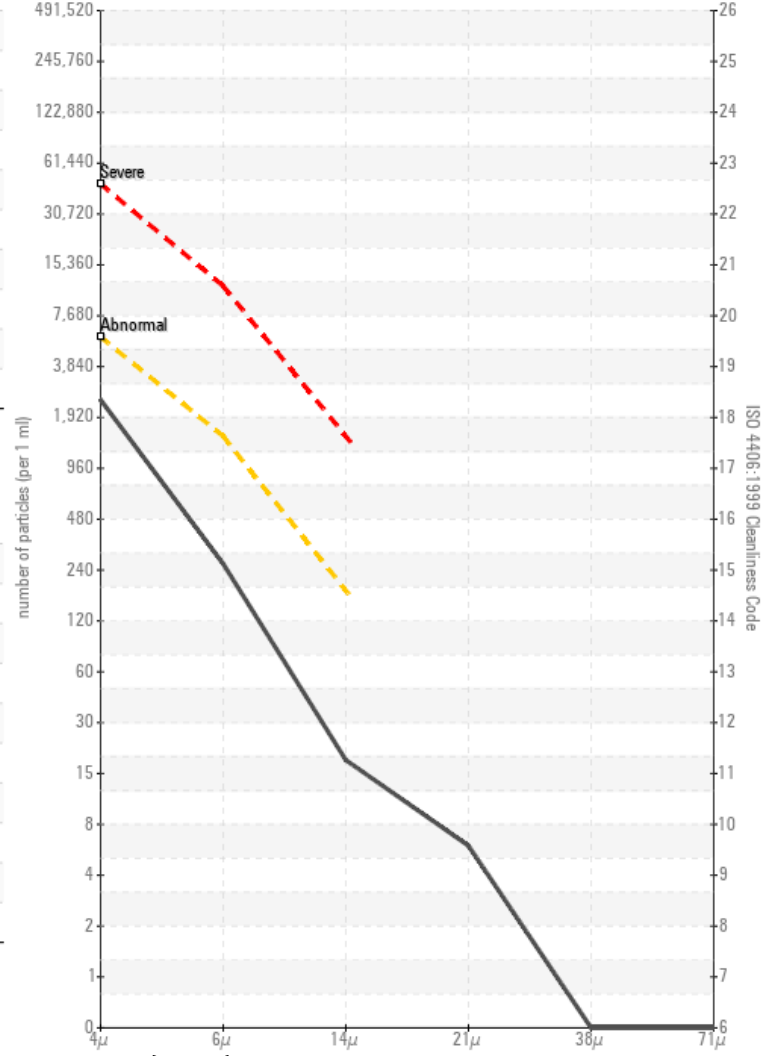
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

