

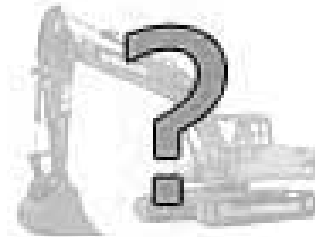


# CONSTRUCTION EQUIPMENT

## SWO-064092 EPIROC TMG21 SED0346 - HYDRAULIC SYSTEM



**Sample No:** VCP369321  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWO-064092



### SAMPLE INFORMATION

Sample Number	<b>VCP369321</b>	VCP407512	VCP402813	VCP402485
Sample Date	<b>26 Jul 2023</b>	24 May 2023	25 Apr 2023	10 Mar 2023
Machine Hours	<b>3837</b>	3531	3310	3112
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL  
 US 35207  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.9</b>	49.9	48.9	46.0
Acid Number (AN)	mg KOH/g	<b>0.57</b>	0.49	0.50	0.50



### CONTAMINATION

Particles >4µm		<b>22639</b>	34258	408	938
Particles >6µm		<b>7197</b>	11943	100	185
Particles >14µm		<b>299</b>	523	6	9
ISO 4406:1999 (c)		<b>22/20/15</b>	22/21/16	16/14/10	17/15/10
Silicon	ppm	<b>4</b>	4	5	5
Sodium	ppm	<b>2</b>	<1	0	0
Potassium	ppm	<b>&lt;1</b>	<1	0	<1

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present 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>5</b>	4	2	2
Copper	ppm	<b>2</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	1	<1	<1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>94</b>	100	105	105
Magnesium	ppm	<b>11</b>	10	10	10
Zinc	ppm	<b>541</b>	564	570	507
Phosphorus	ppm	<b>368</b>	390	400	361
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>0</b>	0	0	<1

**Depot:** SAIBIR  
**Unique No:** 10587925  
**Signed:** Don Baldrige  
**Report Date:** 07 Aug 2023

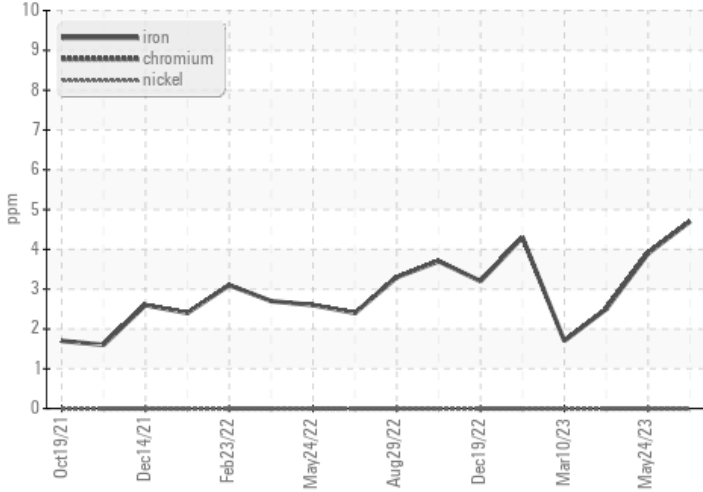


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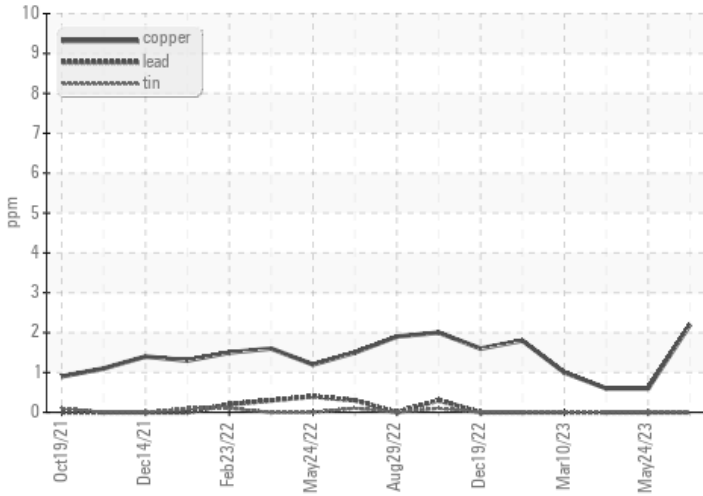


## VOLVO GRAPHS

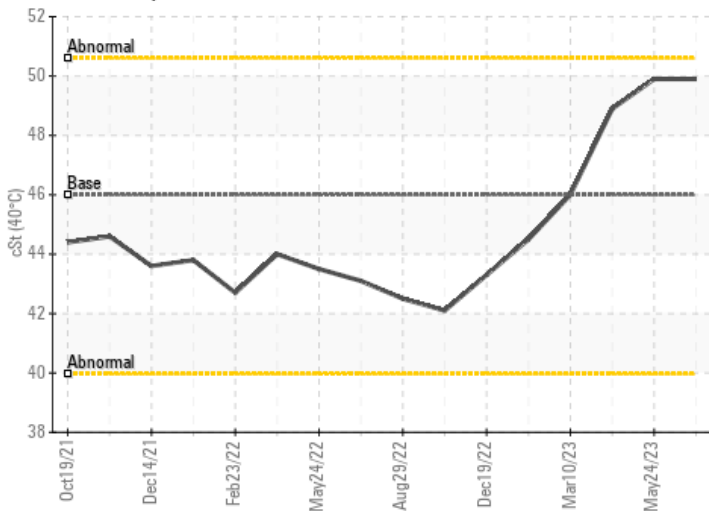
### Ferrous Alloys



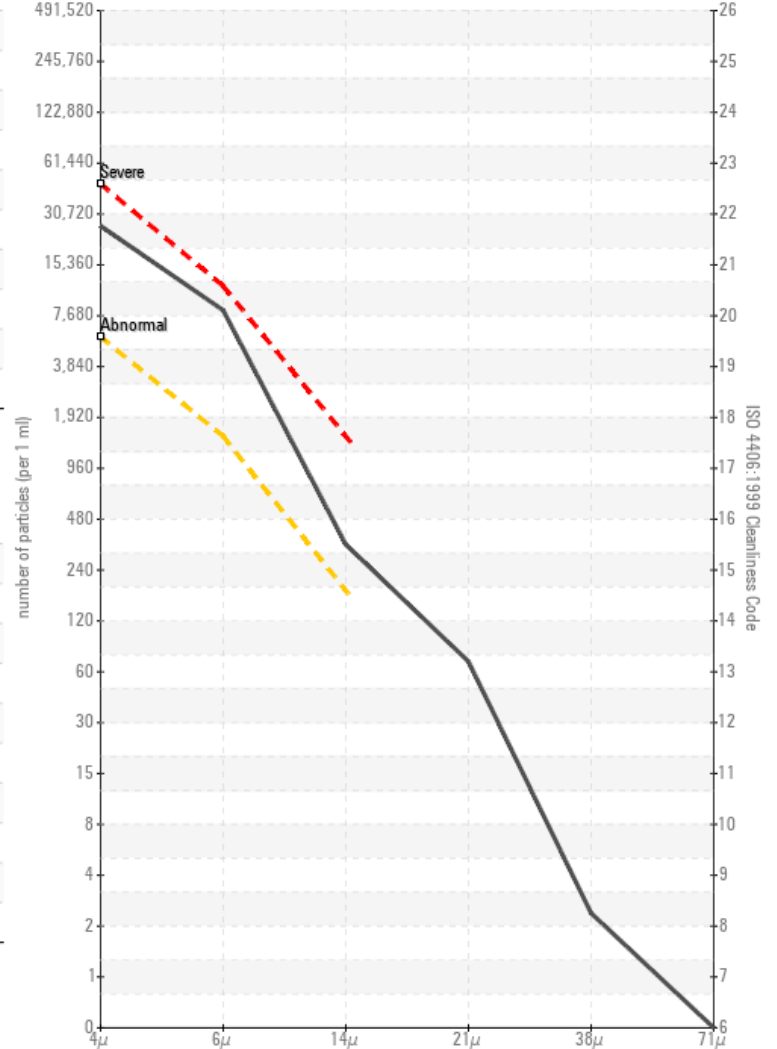
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

