



# CONSTRUCTION EQUIPMENT

## SWO-067517 EPIROC TMG21 SED0346 - HYDRAULIC SYSTEM



**Sample No:** VCP445755  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWO-067517



### SAMPLE INFORMATION

Sample Number	<b>VCP445755</b>	VCP429586	VCP433250	VCP369321
Sample Date	<b>14 Nov 2023</b>	10 Oct 2023	05 Sep 2023	26 Jul 2023
Machine Hours	<b>4528</b>	4260	4067	3837
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.2</b>	49.0	48.4	49.9
Acid Number (AN)	mg KOH/g	<b>0.59</b>	0.63	0.56	0.57



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>27927</b>	1350	2230	22639
Particles >6µm		<b>8779</b>	231	585	7197
Particles >14µm		<b>276</b>	18	43	299
ISO 4406:1999 (c)		<b>22/20/15</b>	18/15/11	18/16/13	22/20/15
Silicon	ppm	<b>6</b>	4	4	4
Sodium	ppm	<b>0</b>	0	<1	2
Potassium	ppm	<b>0</b>	0	0	<1

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please note that this is a corrected copy. 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>4</b>	7	5	5
Copper	ppm	<b>2</b>	3	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	1	<1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>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>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>86</b>	96	110	94
Magnesium	ppm	<b>80</b>	51	50	11
Zinc	ppm	<b>617</b>	613	616	541
Phosphorus	ppm	<b>455</b>	420	467	368
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** SAIBIR  
**Unique No:** 10750590  
**Signed:** Angela Borella  
**Report Date:** 21 Nov 2023

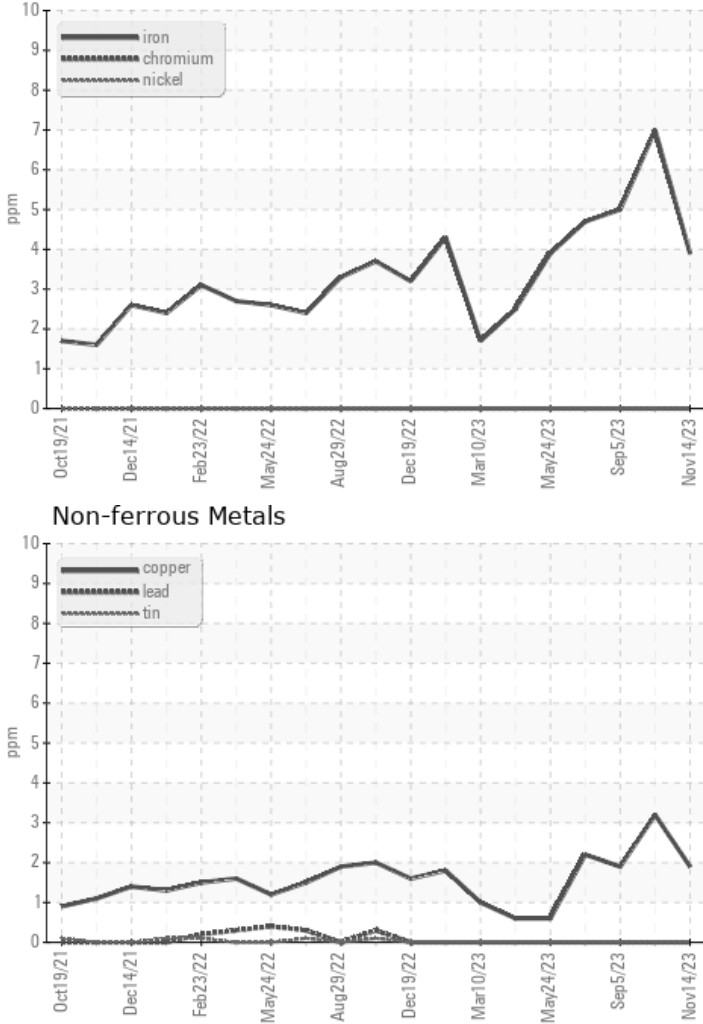


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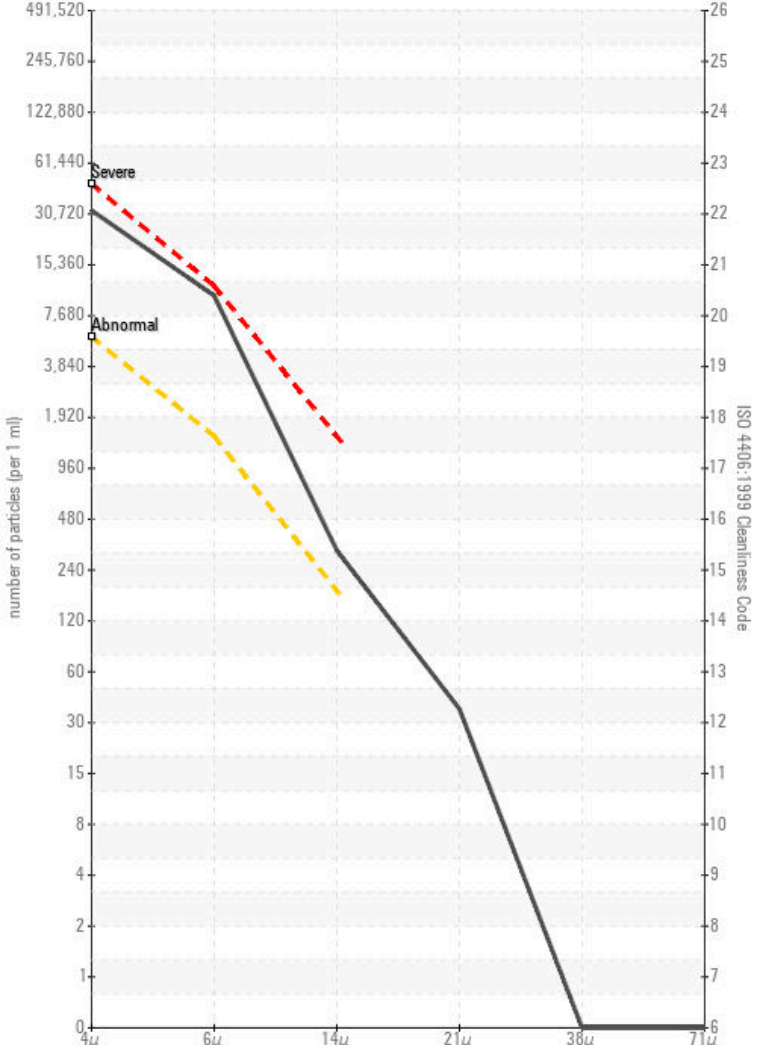


## VOLVO GRAPHS

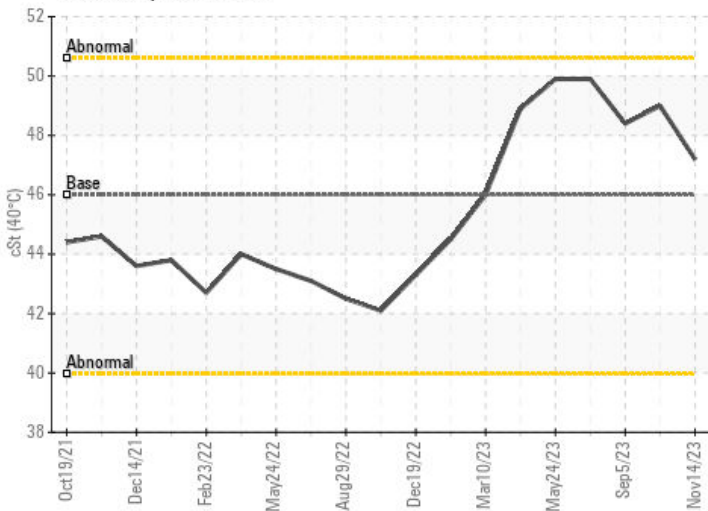
### Ferrous Alloys



### Particle Count



### Viscosity @ 40°C



### Acid Number

