



CONSTRUCTION EQUIPMENT

SWO-069623 EPIROC TMG21 SED0492 - HYDRAULIC SYSTEM



Sample No: VCP444432
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-069623



SAMPLE INFORMATION

Sample Number	VCP444432	VCP435593	VCP428773	VCP428906
Sample Date	13 Feb 2024	03 Jan 2024	27 Nov 2023	31 Oct 2023
Machine Hours	5028	4772	4529	4296
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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	44.3	44.7	44.3	44.6
Acid Number (AN)	mg KOH/g	0.79	0.62	0.89	0.62



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1507	1882	5389	4612
Particles >6µm		470	512	907	766
Particles >14µm		39	14	35	38
ISO 4406:1999 (c)		18/16/12	18/16/11	20/17/12	19/17/12
Silicon	ppm	5	5	4	4
Sodium	ppm	2	0	0	0
Potassium	ppm	<1	2	2	1

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	5	8	8	9
Copper	ppm	3	3	3	4
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	2	1	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	2	2	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	137	159	137	149
Magnesium	ppm	106	128	136	117
Zinc	ppm	599	674	639	639
Phosphorus	ppm	451	513	491	466
Barium	ppm	0	7	0	0
Boron	ppm	1	<1	0	0

Depot: SAIBIR
Unique No: 10884558
Signed: Don Baldrige
Report Date: 19 Feb 2024

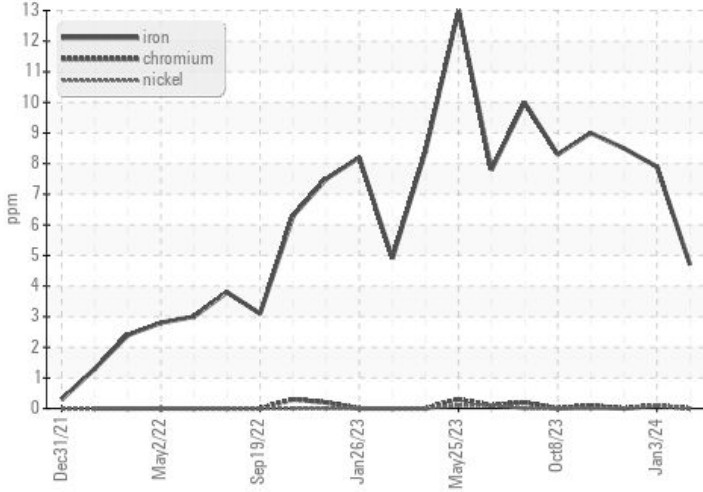


CONSTRUCTION EQUIPMENT

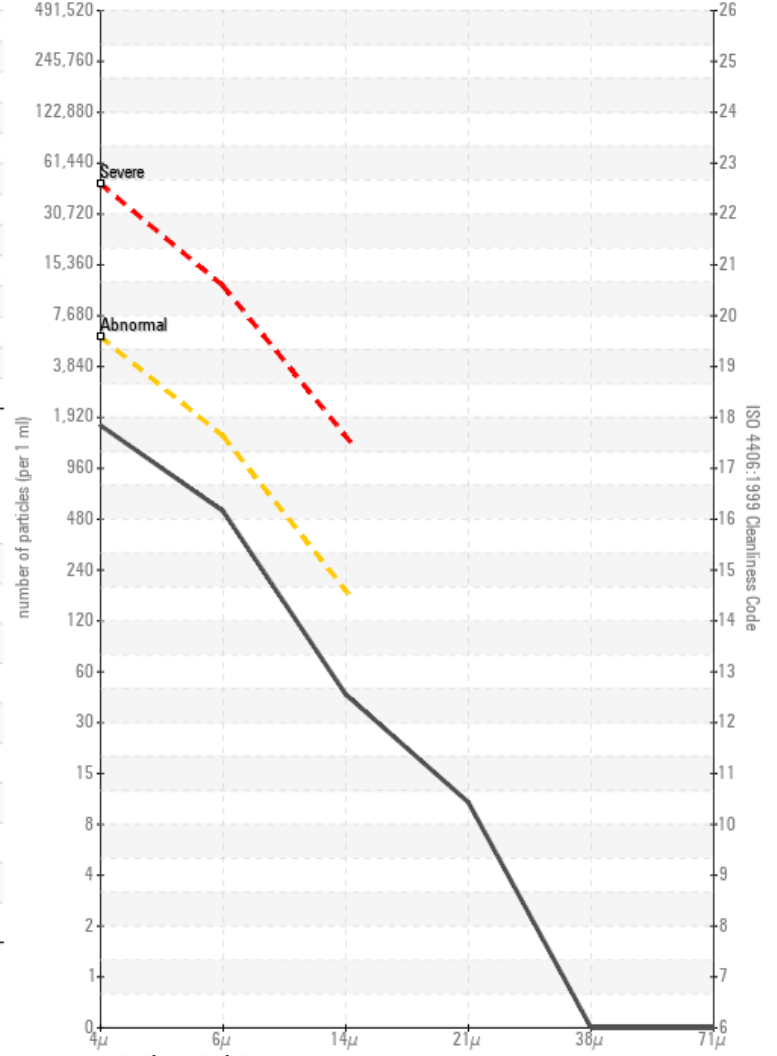


GRAPHS

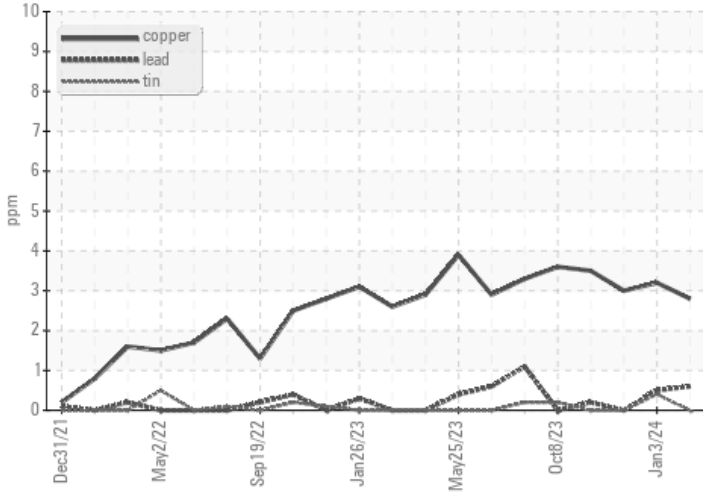
Ferrous Alloys



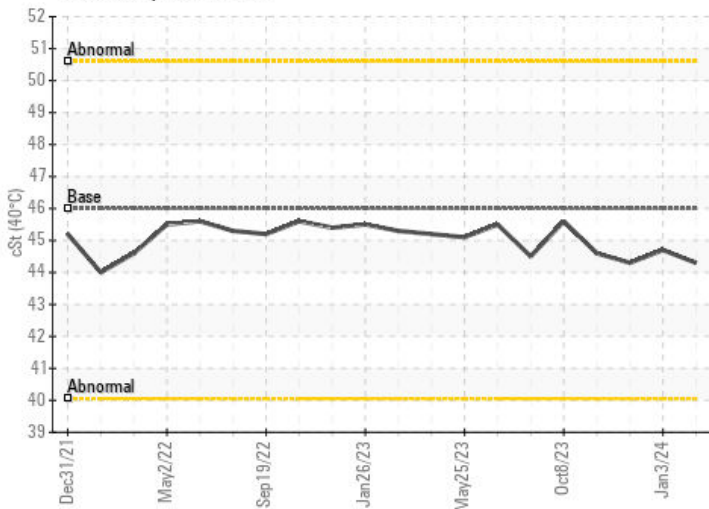
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

