

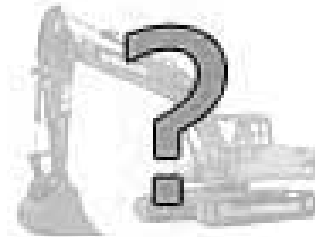


CONSTRUCTION EQUIPMENT

SWO-071373 EPIROC TMG2 ISEDO492 - HYDRAULIC SYSTEM



Sample No: VCP450911
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-071373



SAMPLE INFORMATION

Sample Number	VCP450911	VCP455404	VCP444432	VCP435593
Sample Date	24 Apr 2024	17 Mar 2024	13 Feb 2024	03 Jan 2024
Machine Hours	5482	5262	5028	4772
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	43.9	43.9	44.3	44.7
Acid Number (AN)	mg KOH/g	0.70	0.70	0.79	0.62



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1990	1149	1507	1882
Particles >6µm		349	443	470	512
Particles >14µm		29	38	39	14
ISO 4406:1999 (c)		18/16/12	17/16/12	18/16/12	18/16/11
Silicon	ppm	3	4	5	5
Sodium	ppm	<1	1	2	0
Potassium	ppm	0	0	<1	2

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



ADDITIVES

Calcium	ppm	156	142	137	159
Magnesium	ppm	94	75	106	128
Zinc	ppm	750	724	599	674
Phosphorus	ppm	583	556	451	513
Barium	ppm	0	0	0	7
Boron	ppm	0	0	1	<1

Depot: SAIBIR
Unique No: 11003475
Signed: Don Baldrige
Report Date: 01 May 2024

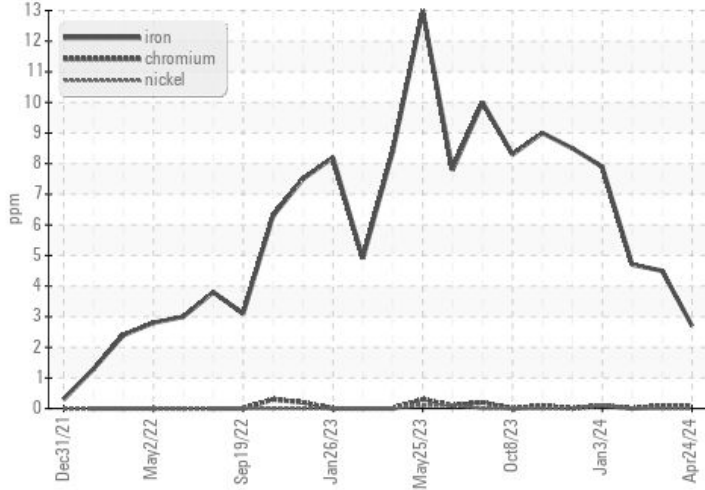


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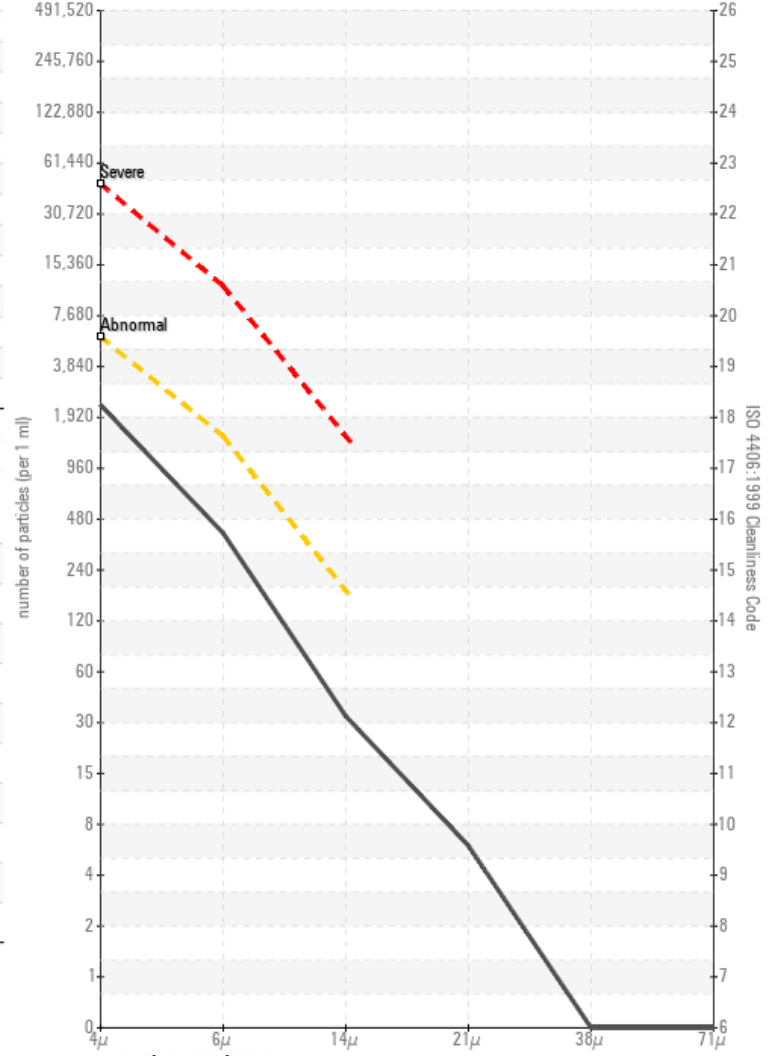


GRAPHS

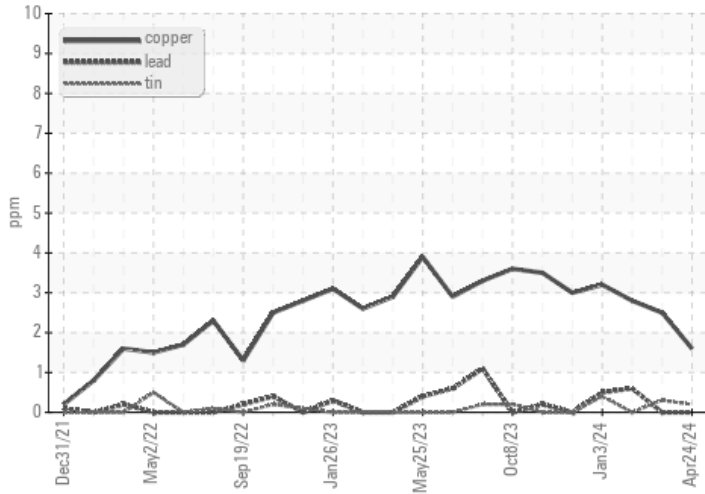
Ferrous Alloys



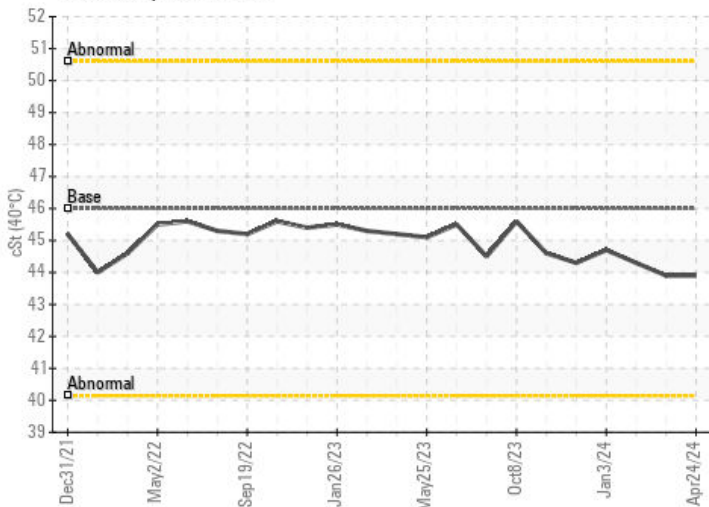
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

