



CONSTRUCTION EQUIPMENT

SWO-069429 EPIROC TMG21 SED0346 - HYDRAULIC SYSTEM



Sample No: VCP446723
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-069429



SAMPLE INFORMATION

Sample Number	VCP446723	VCP414812	VCP445755	VCP429586
Sample Date	05 Feb 2024	20 Dec 2023	14 Nov 2023	10 Oct 2023
Machine Hours	5020	4779	4528	4260
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	48.4	46.4	47.2	49.0
Acid Number (AN)	mg KOH/g	0.64	0.68	0.59	0.63



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		22777	1849	27927	1350
Particles >6µm		10170	598	8779	231
Particles >14µm		973	29	276	18
ISO 4406:1999 (c)		22/21/17	18/16/12	22/20/15	18/15/11
Silicon	ppm	8	8	6	4
Sodium	ppm	1	<1	0	0
Potassium	ppm	0	0	0	0

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 for data entry update for time on unit. 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	4	4	4	7
Copper	ppm	2	2	2	3
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	1	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	97	95	86	96
Magnesium	ppm	118	143	80	51
Zinc	ppm	678	697	617	613
Phosphorus	ppm	512	544	455	420
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	0	0

Depot: SAIBIR
Unique No: 10872172
Signed: Doug Bogart
Report Date: 13 Feb 2024

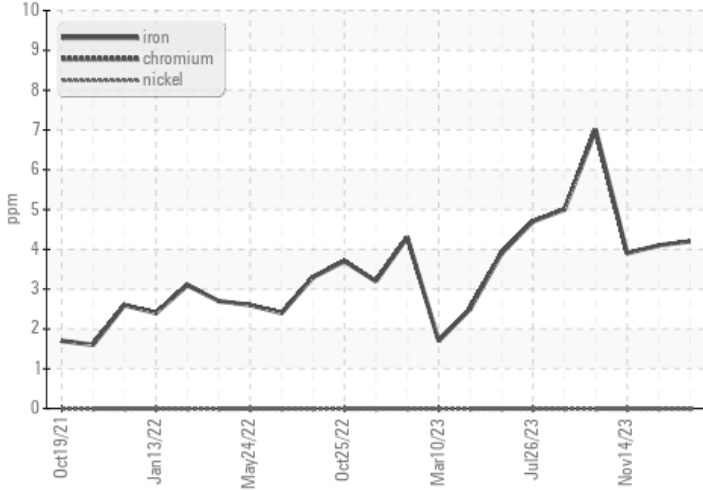


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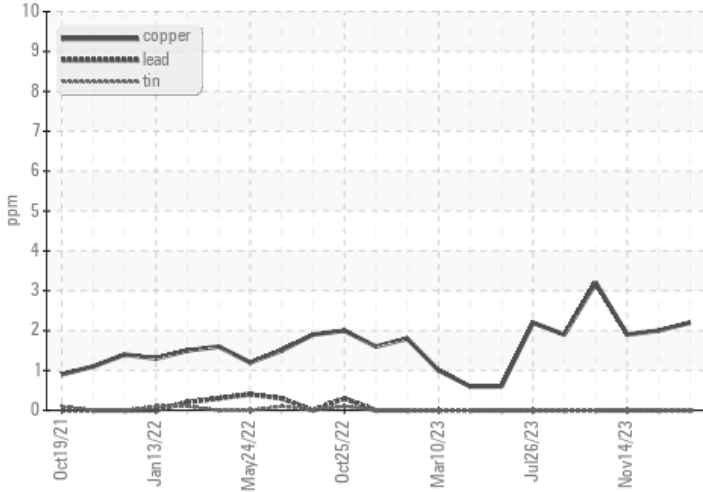


VOLVO GRAPHS

Ferrous Alloys



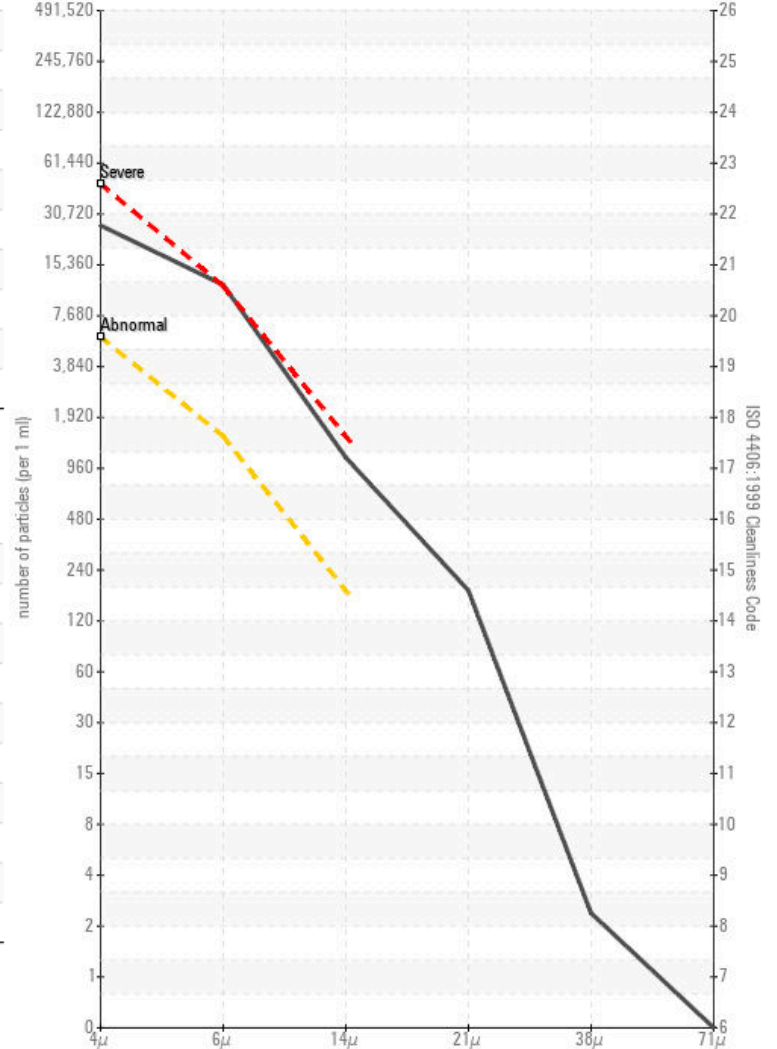
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

