



CONSTRUCTION EQUIPMENT

SWO-065278 EPIROC TMG21 SEDO223 - HYDRAULIC SYSTEM



Sample No: VCP433638
Oil Type: SHELL TELLUS S2 VX 46
Job No: SWO-065278



SAMPLE INFORMATION

Sample Number	VCP433638	VCP425886	VCP408679	VCP410120
Sample Date	29 Aug 2023	05 Jul 2023	17 May 2023	03 Apr 2023
Machine Hours	3384	3133	2865	2651
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	44.7	45.2	45.0	44.3
Acid Number (AN)	mg KOH/g	0.48	0.46	0.41	0.47

CONTAMINATION

Particles >4µm	176	1905	4464	475	
Particles >6µm	39	547	1345	106	
Particles >14µm	7	40	105	13	
ISO 4406:1999 (c)	15/12/10	18/16/12	19/18/14	16/14/11	
Silicon	ppm	3	3	4	5
Sodium	ppm	0	0	<1	0
Potassium	ppm	<1	<1	<1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	3	3	3	3
Copper	ppm	2	2	2	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	4	2	2	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	100	97	71	66
Magnesium	ppm	6	4	6	3
Zinc	ppm	499	482	513	455
Phosphorus	ppm	367	342	363	313
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 10630294
Signed: Don Baldrige
Report Date: 05 Sep 2023

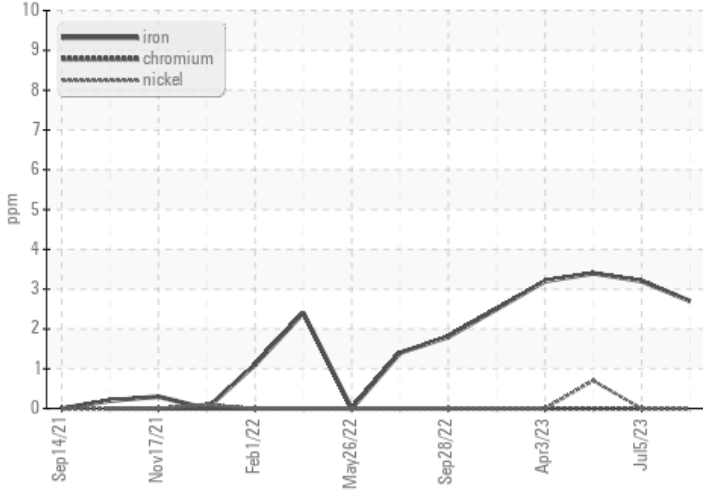


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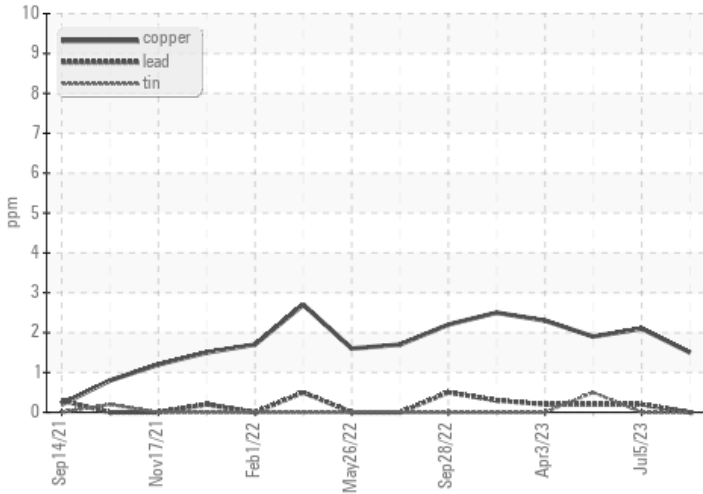


VOLVO GRAPHS

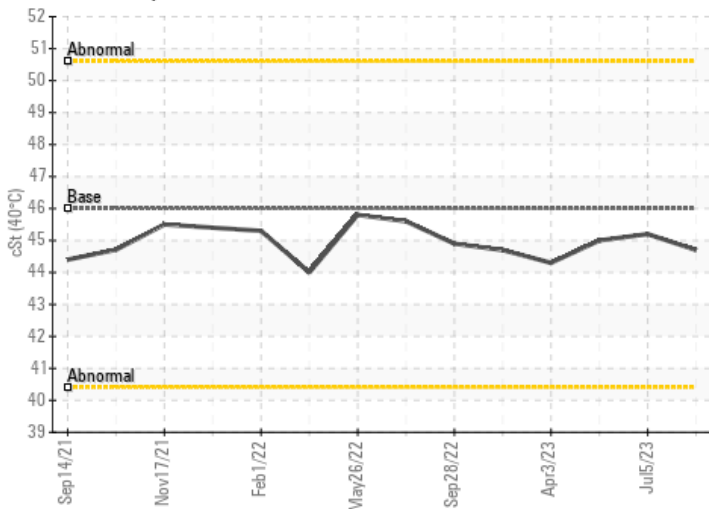
Ferrous Alloys



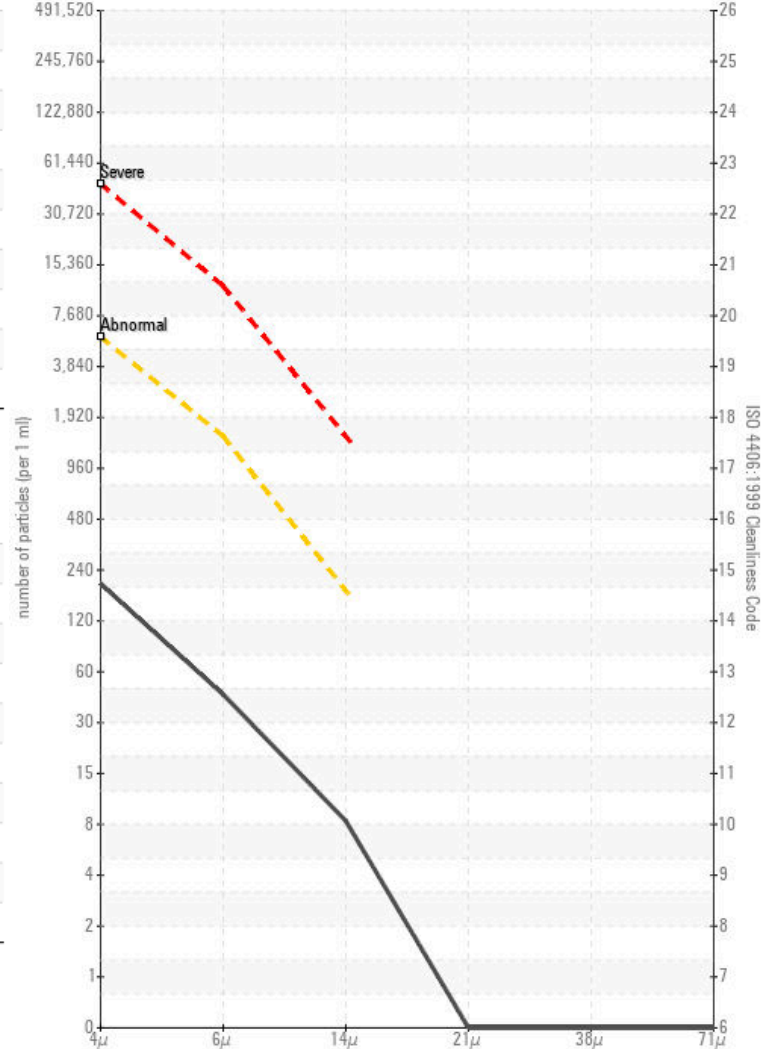
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

