



CONSTRUCTION EQUIPMENT

SWO-063665 EPIROC TMG21 SEDO223 - HYDRAULIC SYSTEM



Sample No: VCP425886
Oil Type: SHELL TELLUS S2 VX 46
Job No: SWO-063665



SAMPLE INFORMATION

Sample Number	VCP425886	VCP408679	VCP410120	VCP380779
Sample Date	05 Jul 2023	17 May 2023	03 Apr 2023	18 Jan 2023
Machine Hours	3133	2865	2651	2404
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

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OIL CONDITION

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

CONTAMINATION

Particles >4µm	1905	4464	475	1033	
Particles >6µm	547	▲ 1345	106	346	
Particles >14µm	40	105	13	25	
ISO 4406:1999 (c)	18/16/12	19/18/14	16/14/11	17/16/12	
Silicon	ppm	3	4	5	4
Sodium	ppm	0	<1	0	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	2
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	2	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	97	71	66	63
Magnesium	ppm	4	6	3	3
Zinc	ppm	482	513	455	445
Phosphorus	ppm	342	363	313	306
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 10550758
Signed: Angela Borella
Report Date: 12 Jul 2023

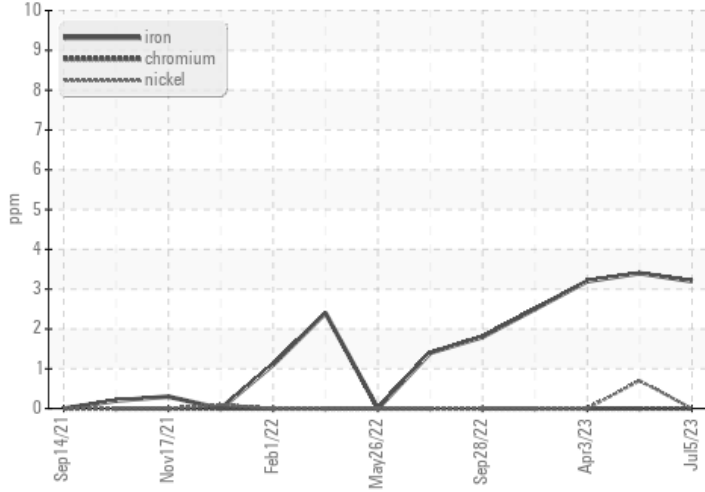


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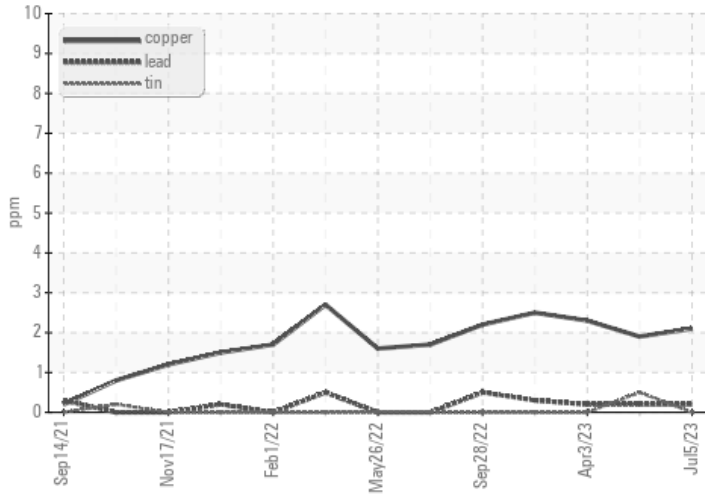


VOLVO GRAPHS

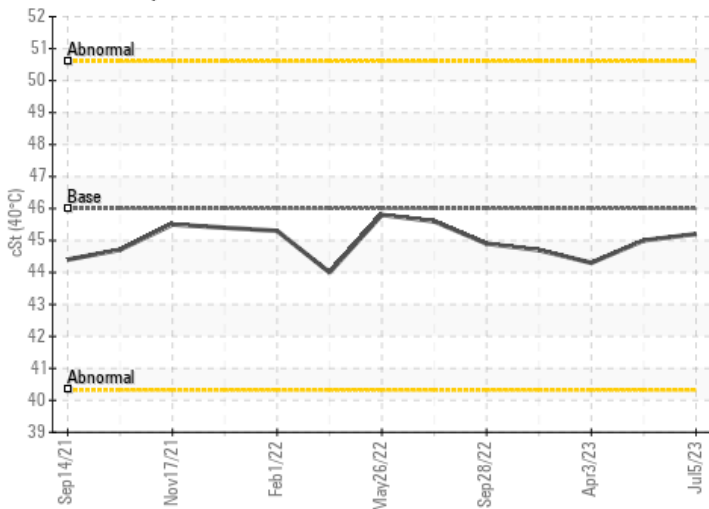
Ferrous Alloys



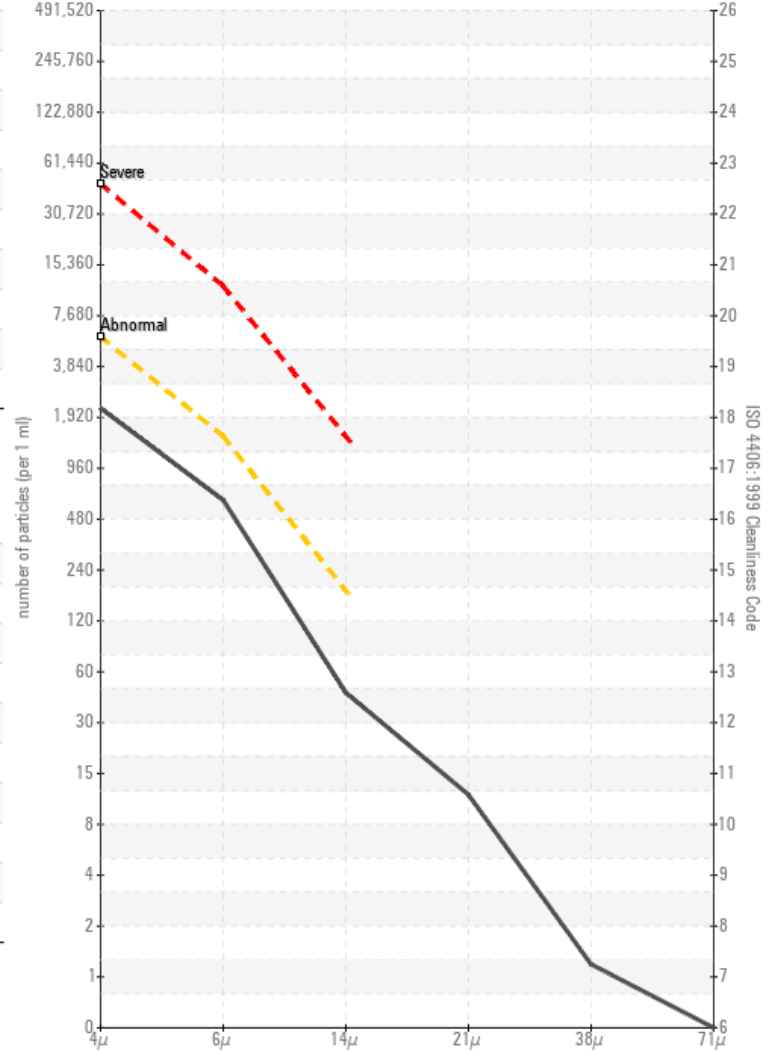
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

