



CONSTRUCTION EQUIPMENT

SWO-072471 EPIROC TMG2 ISEDO223 - HYDRAULIC SYSTEM



Sample No: VCP442197
Oil Type: SHELL TELLUS S2 VX 46
Job No: SWO-072471



SAMPLE INFORMATION

Sample Number	VCP442197	VCP449836	VCP445300	VCP441323
Sample Date	05 Jun 2024	16 Apr 2024	06 Mar 2024	30 Jan 2024
Machine Hours	4958	4708	4459	4133
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.6	43.7	44.0	44.3
Acid Number (AN)	mg KOH/g	0.49	0.53	0.50	0.46

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		18003	2134	4925	776
Particles >6µm		5402	230	175	66
Particles >14µm		81	16	4	5
ISO 4406:1999 (c)		21/20/14	18/15/11	19/15/9	17/13/10
Silicon	ppm	2	3	3	3
Sodium	ppm	1	0	0	0
Potassium	ppm	0	0	1	1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) 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	5	4	3	4
Copper	ppm	2	2	2	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	2	1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	107	106	101	94
Magnesium	ppm	4	4	7	4
Zinc	ppm	543	526	491	502
Phosphorus	ppm	411	378	347	367
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 11073885
Signed: Don Baldrige
Report Date: 13 Jun 2024

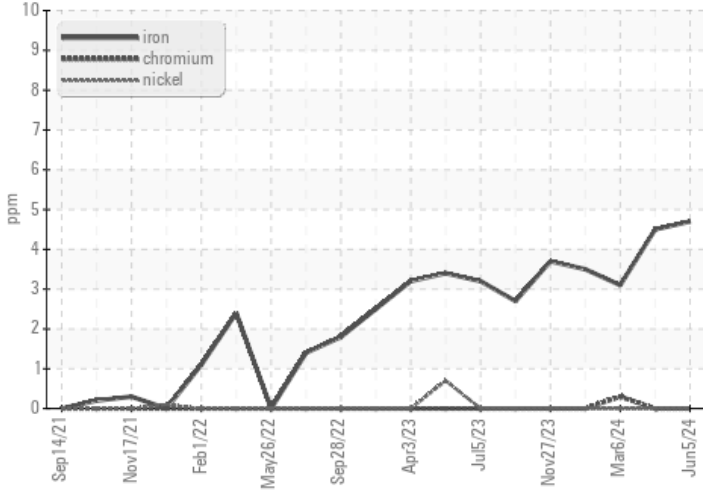


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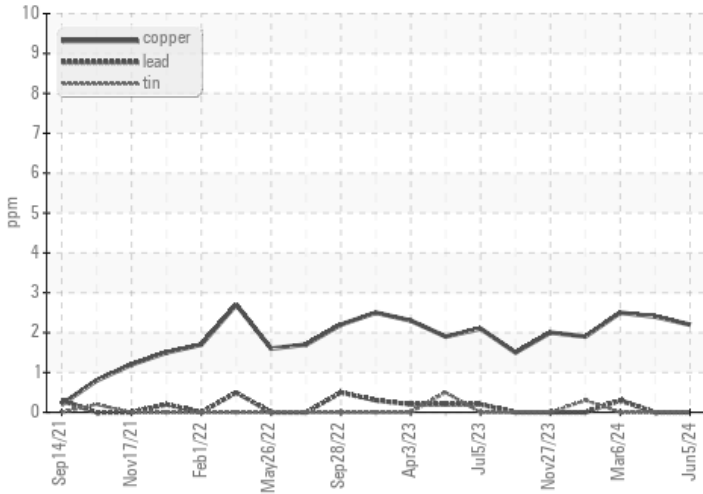


VOLVO GRAPHS

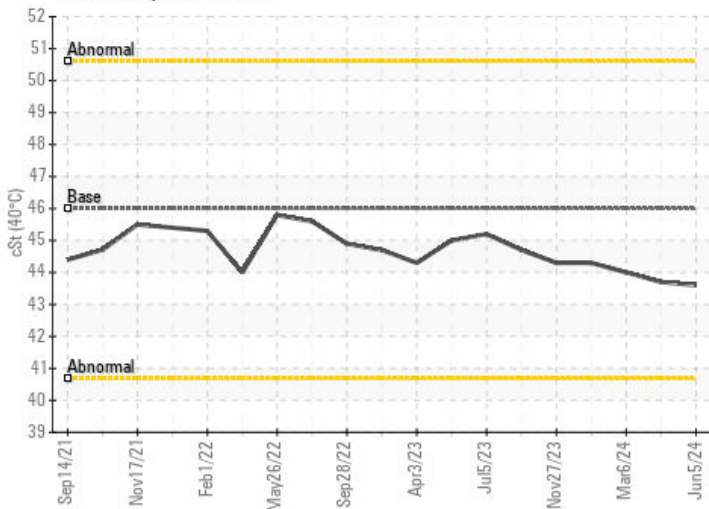
Ferrous Alloys



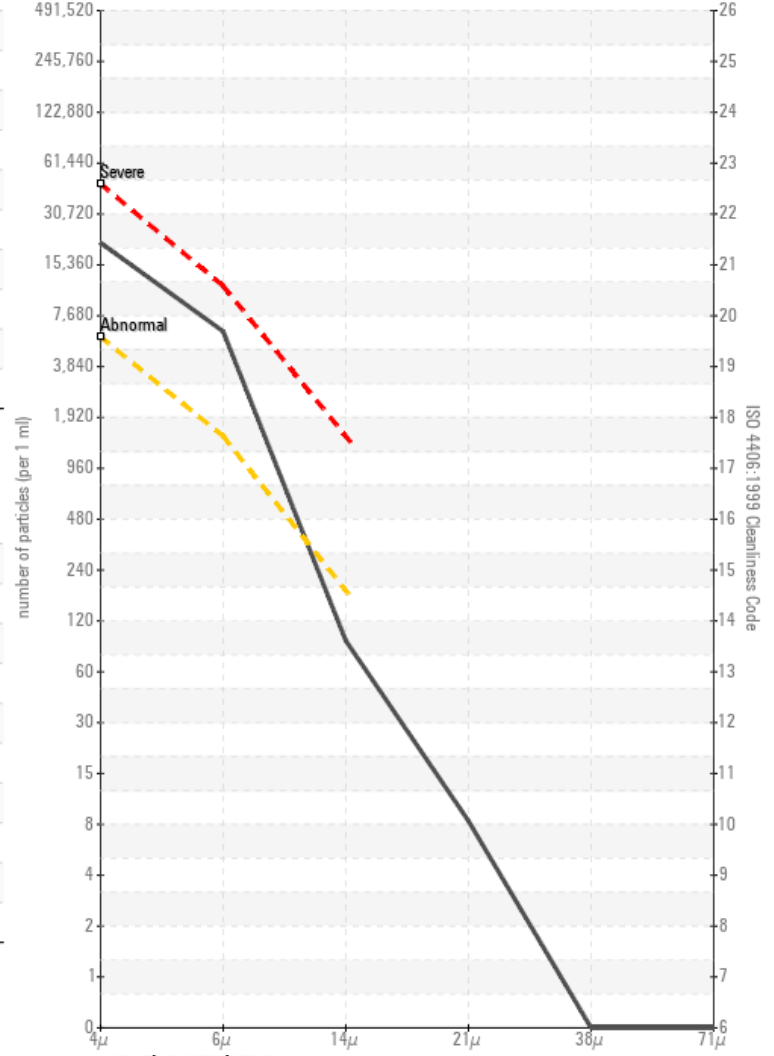
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

