



CONSTRUCTION EQUIPMENT

SWO-072714 EPIROC TMG2 ISEDO492 - HYDRAULIC SYSTEM



Sample No: VCP443107
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-072714



SAMPLE INFORMATION

Sample Number	VCP443107	VCP450911	VCP455404	VCP444432
Sample Date	09 Jun 2024	24 Apr 2024	17 Mar 2024	13 Feb 2024
Machine Hours	5742	5482	5262	5028
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	43.8	43.9	43.9	44.3
Acid Number (AN)	mg KOH/g	0.72	0.70	0.70	0.79



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5502	1990	1149	1507
Particles >6µm		1581	349	443	470
Particles >14µm		15	29	38	39
ISO 4406:1999 (c)		20/18/11	18/16/12	17/16/12	18/16/12
Silicon	ppm	4	3	4	5
Sodium	ppm	0	<1	1	2
Potassium	ppm	1	0	0	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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	4	3	4	5
Copper	ppm	2	2	2	3
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	<1	<1	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	2	1	3	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	192	156	142	137
Magnesium	ppm	118	94	75	106
Zinc	ppm	818	750	724	599
Phosphorus	ppm	592	583	556	451
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	1

Depot: SAIBIR
Unique No: 11075179
Signed: Don Baldrige
Report Date: 14 Jun 2024

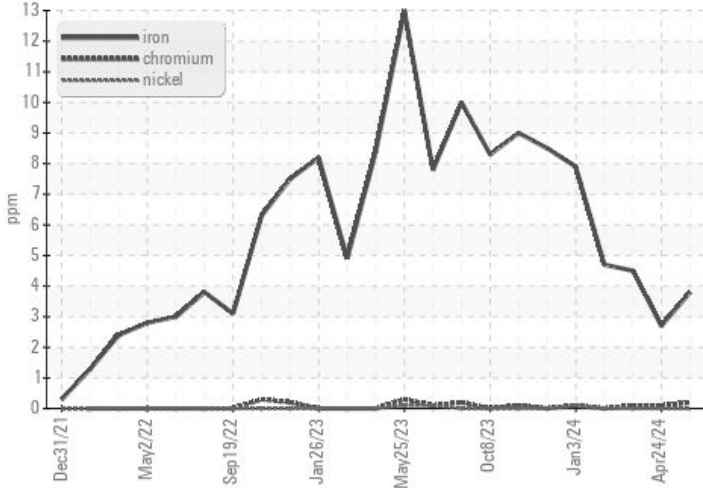


CONSTRUCTION EQUIPMENT

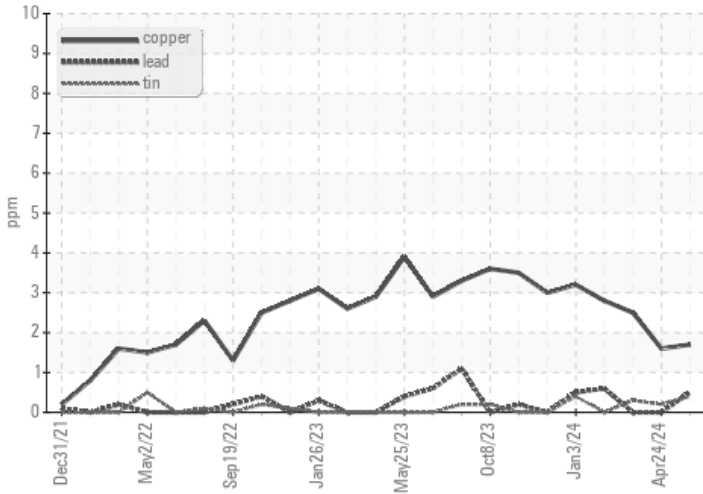


VOLVO GRAPHS

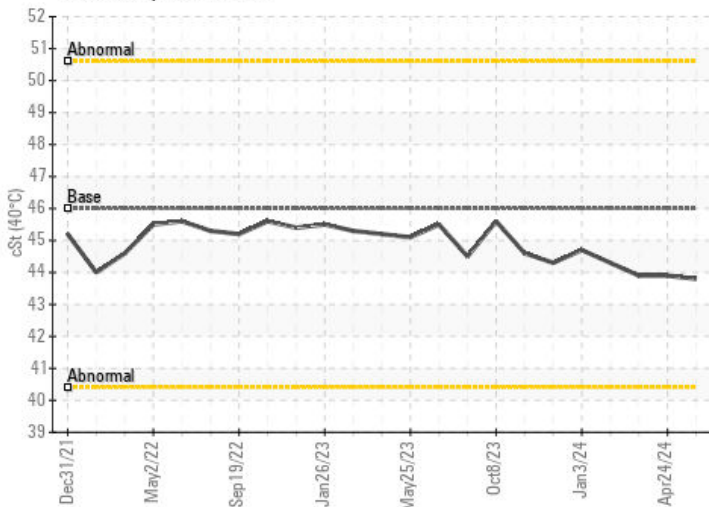
Ferrous Alloys



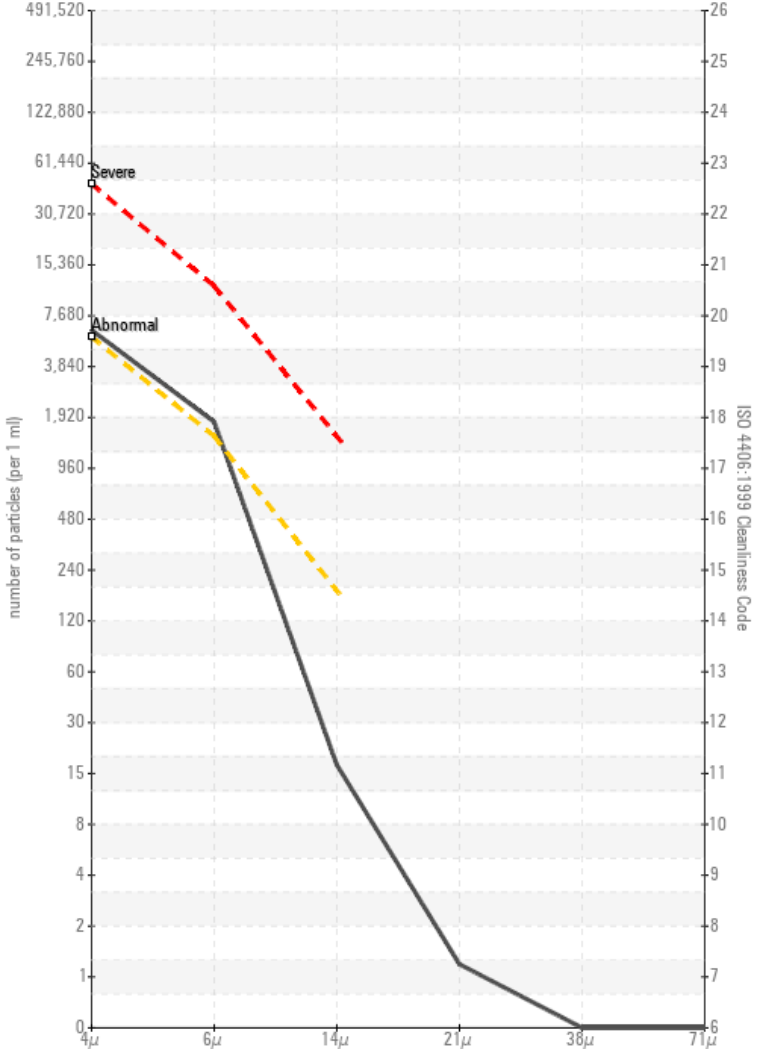
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

