

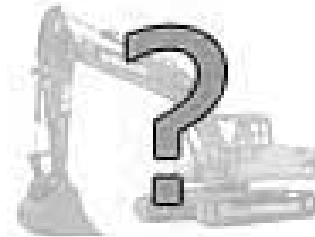


CONSTRUCTION EQUIPMENT

SWO-071557 EPIROC TMG2 ISEDO346 - HYDRAULIC SYSTEM



Sample No: VCP453683
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-071557



SAMPLE INFORMATION

Sample Number	VCP453683	VCP455401	VCP452465	VCP446723
Sample Date	30 Apr 2024	17 Mar 2024	11 Mar 2024	05 Feb 2024
Machine Hours	5492	5276	5253	5020
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	ABNORMAL	ABNORMAL

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	44.5	46.0	46.0	48.4
Acid Number (AN)	mg KOH/g	0.71	0.79	0.74	0.64

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5565	2483	61333	22777
Particles >6µm		878	845	27201	10170
Particles >14µm		12	60	1705	973
ISO 4406:1999 (c)		20/17/11	18/17/13	23/22/18	22/21/17
Silicon	ppm	6	7	6	8
Sodium	ppm	0	1	2	1
Potassium	ppm	0	0	0	0

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	<1	5	4	4
Copper	ppm	<1	3	2	2
Lead	ppm	0	0	1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	1	2	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	<1	0

ADDITIVES

Calcium	ppm	124	103	94	97
Magnesium	ppm	76	112	94	118
Zinc	ppm	689	712	548	678
Phosphorus	ppm	556	531	501	512
Barium	ppm	<1	0	0	0
Boron	ppm	<1	0	0	<1

Depot: SAIBIR
Unique No: 11019882
Signed: Don Baldrige
Report Date: 14 May 2024

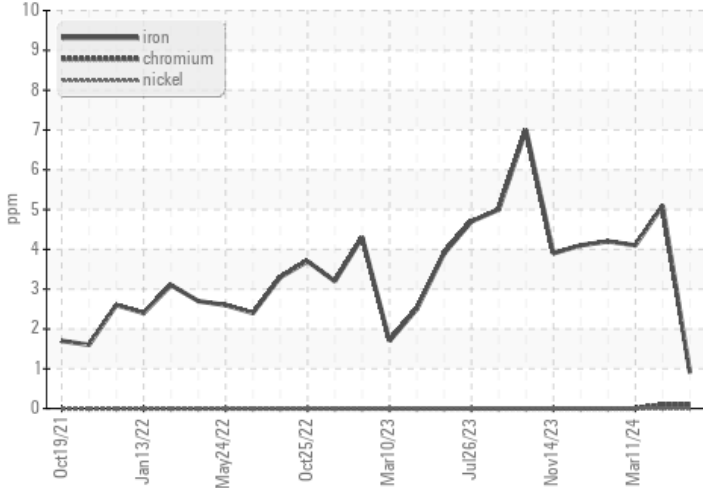


CONSTRUCTION EQUIPMENT

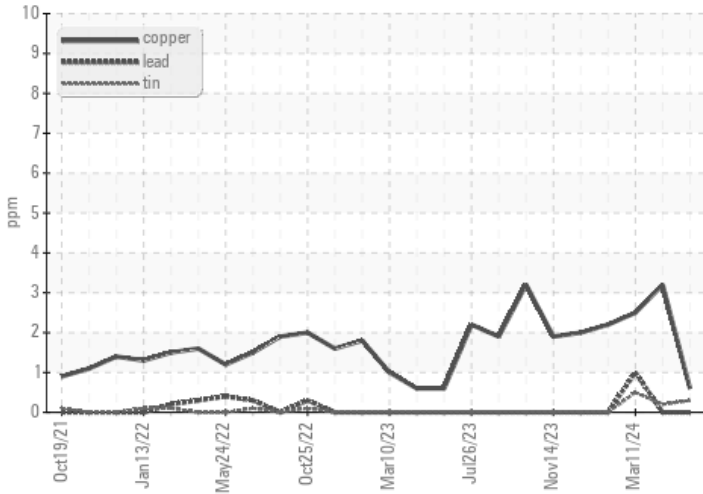


GRAPHS

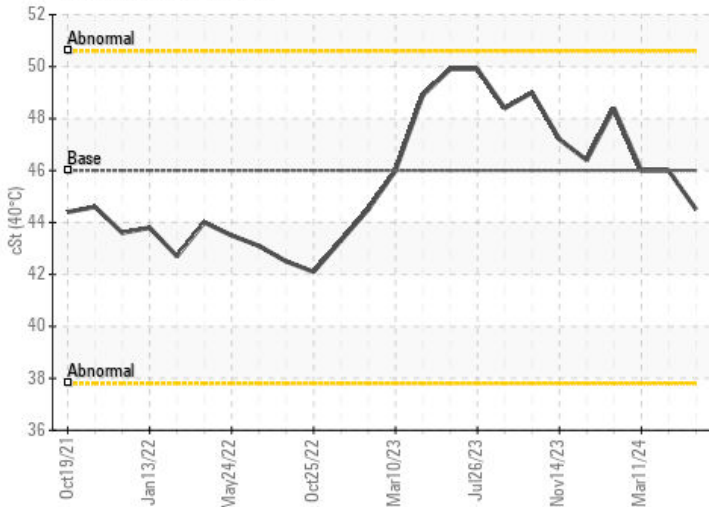
Ferrous Alloys



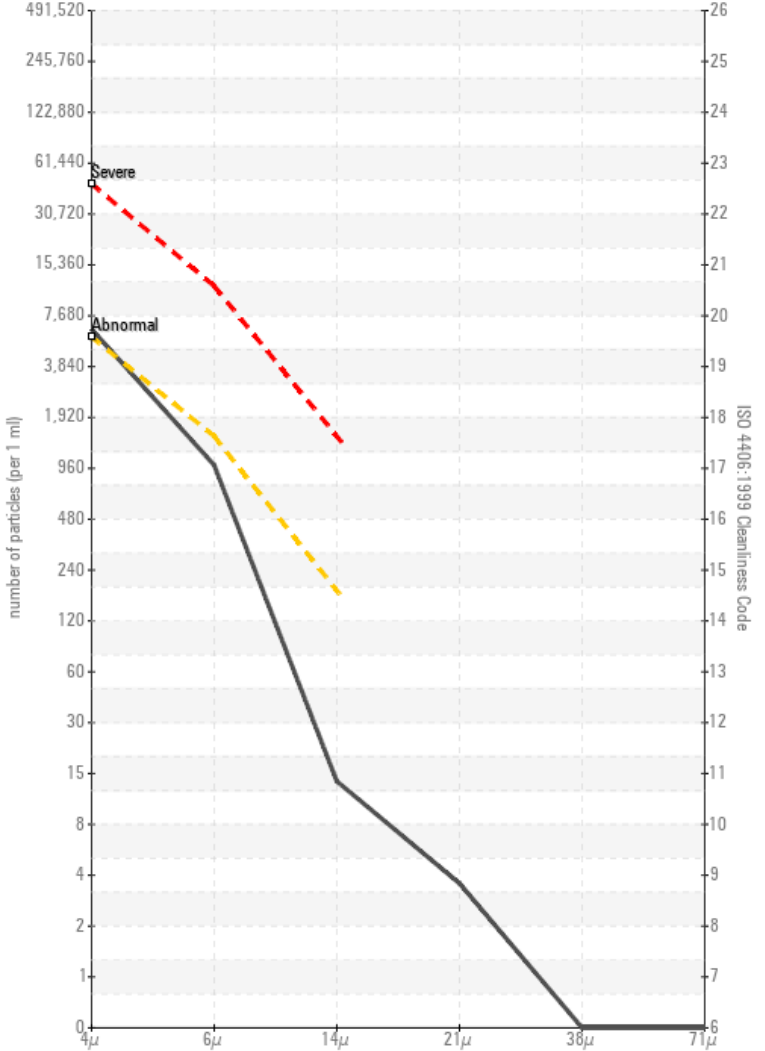
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

