



CONSTRUCTION EQUIPMENT

SWO-067232 VOLVO A60H 350067 - HYDRAULIC SYSTEM



Sample No: VCP432857
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-067232



SAMPLE INFORMATION

Sample Number	VCP432857	VCP413246	VCP410131	VCP388703
Sample Date	03 Nov 2023	12 Jul 2023	31 Mar 2023	09 Nov 2022
Machine Hours	6403	5889	5382	4893
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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	43.6	42.9	43.1	43.3
Acid Number (AN)	mg KOH/g	0.42	0.40	0.40	0.47

CONTAMINATION

Particles >4µm		1844	1232	1289	2185
Particles >6µm		462	248	438	798
Particles >14µm		33	21	38	▲ 84
ISO 4406:1999 (c)		18/16/12	17/15/12	17/16/12	18/17/14
Silicon	ppm	4	4	5	3
Sodium	ppm	0	2	0	2
Potassium	ppm	1	<1	<1	0

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	8	13	11	8
Copper	ppm	2	4	4	4
Lead	ppm	1	1	2	2
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	<1	3	2	2
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	85	64	57	58
Magnesium	ppm	13	9	8	7
Zinc	ppm	451	482	444	399
Phosphorus	ppm	330	369	342	339
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 10729888
Signed: Jonathan Hester
Report Date: 09 Nov 2023

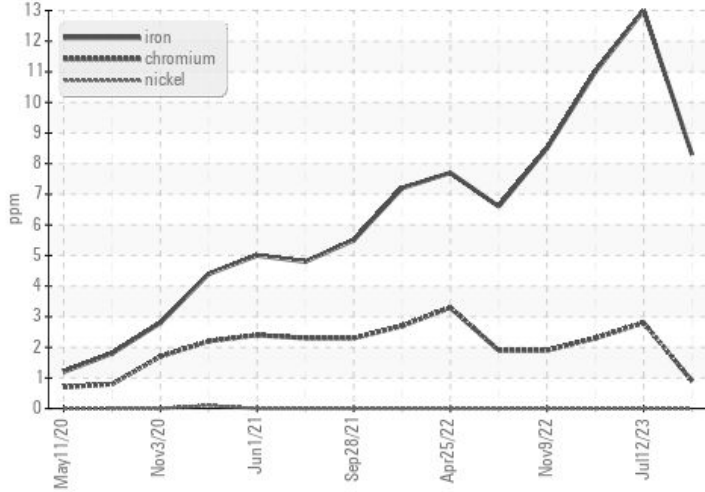


CONSTRUCTION EQUIPMENT

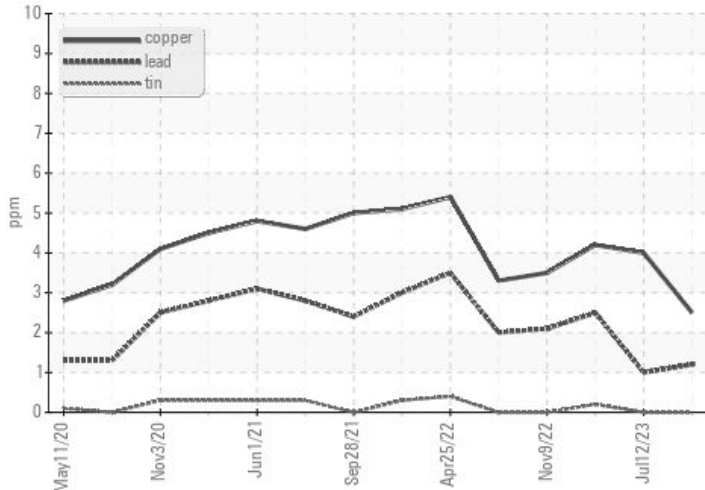


GRAPHS

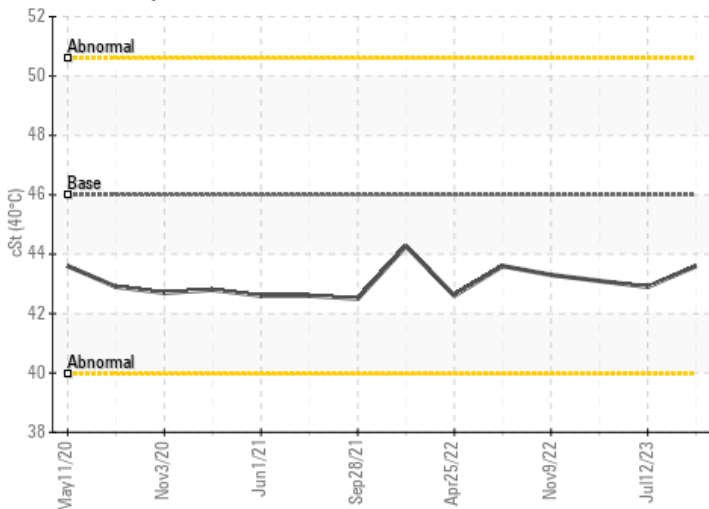
Ferrous Alloys



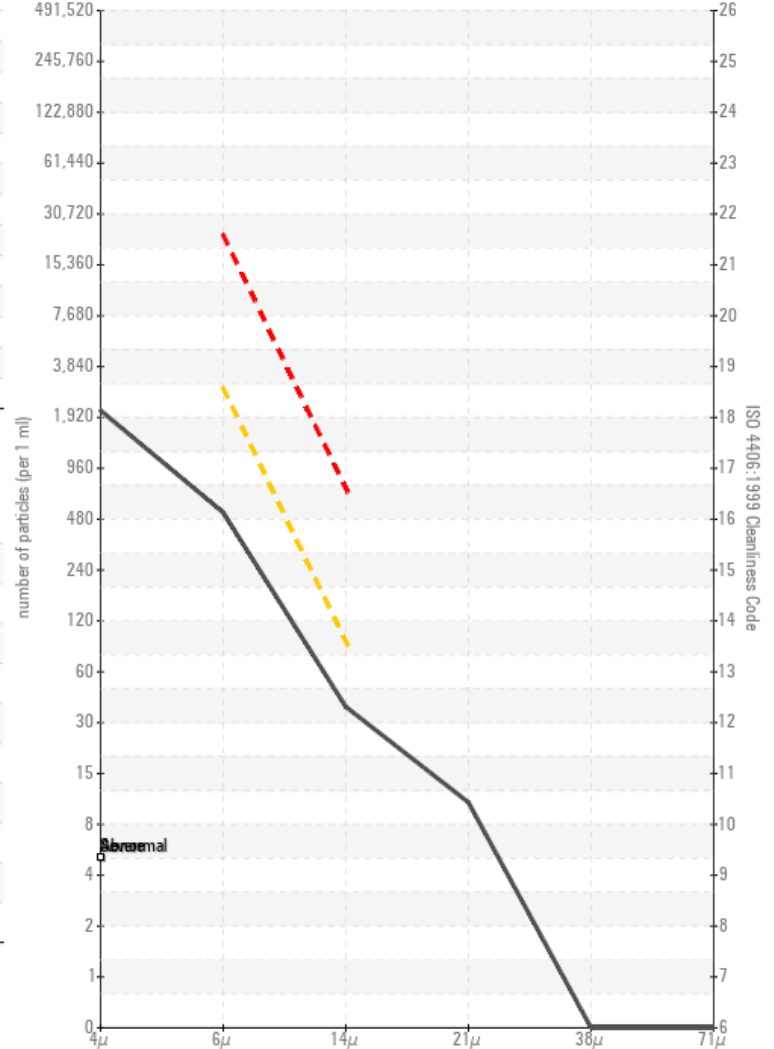
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

