



CONSTRUCTION EQUIPMENT

SWO-064855 VOLVO A45G 352915 - HYDRAULIC SYSTEM



Sample No: VCP413522
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-064855



SAMPLE INFORMATION

Sample Number	VCP413522	VCP414247	VCP397697	VCP365978
Sample Date	15 Aug 2023	26 May 2023	19 Jan 2023	28 Sep 2022
Machine Hours	2344	1912	1420	978
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	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	43.2	43.3	43.5	43.4
Acid Number (AN)	mg KOH/g	0.35	0.38	0.40	0.40



CONTAMINATION

Particles >4µm		1318	2722	3576	6983
Particles >6µm		280	699	1178	900
Particles >14µm		19	40	132	40
ISO 4406:1999 (c)		18/15/11	19/17/12	19/17/14	20/17/12
Silicon	ppm	7	7	6	6
Sodium	ppm	<1	0	0	0
Potassium	ppm	0	1	<1	2

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	7	6	5	4
Copper	ppm	3	3	2	2
Lead	ppm	2	2	2	2
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	0	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	58	59	61	55
Magnesium	ppm	0	1	<1	<1
Zinc	ppm	415	441	456	428
Phosphorus	ppm	334	331	334	328
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	0	0

Depot: SAIBIR
Unique No: 10617363
Signed: Don Baldrige
Report Date: 24 Aug 2023

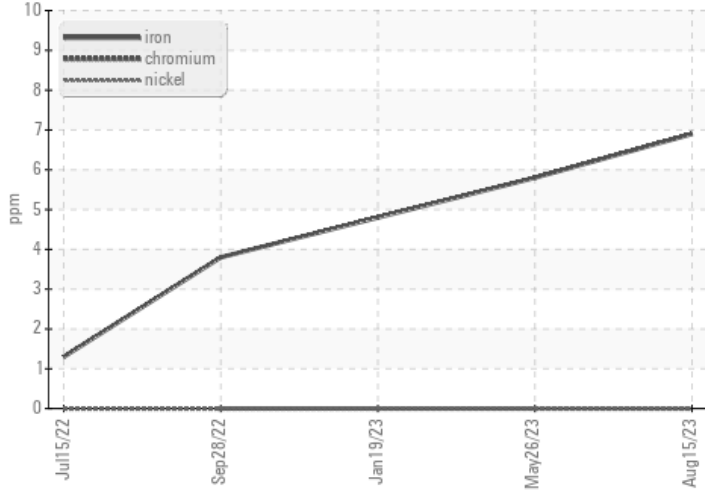


CONSTRUCTION EQUIPMENT

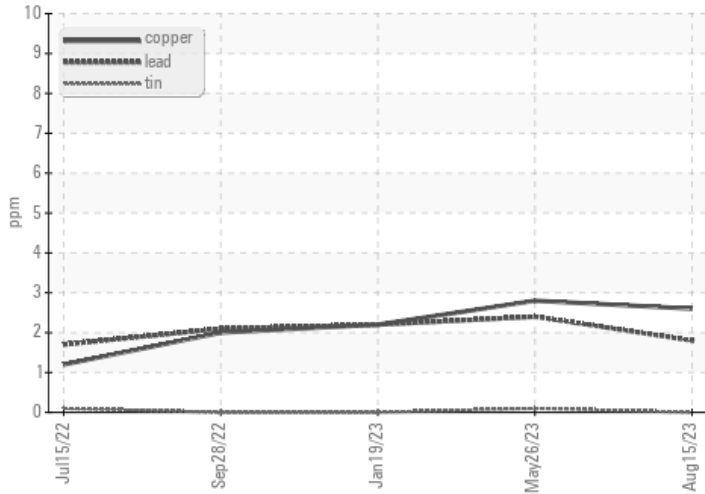


VOLVO GRAPHS

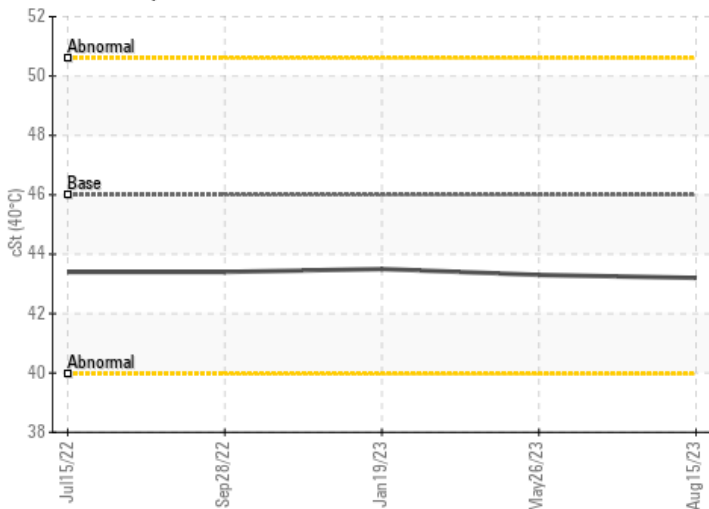
Ferrous Alloys



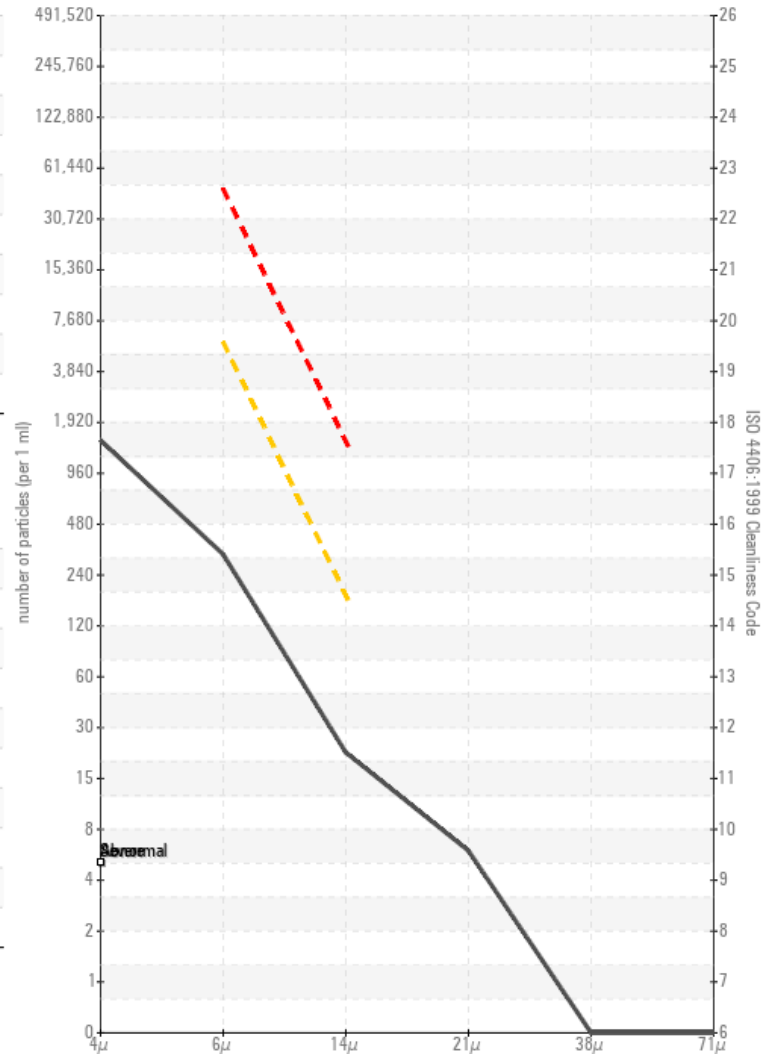
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

