



CONSTRUCTION EQUIPMENT

SWO065912 VOLVO A30G 752677 - HYDRAULIC SYSTEM



Sample No: VCP433859
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO065912



SAMPLE INFORMATION

Sample Number	VCP433859	VCP424143	VCP368398	VCP366684
Sample Date	18 Sep 2023	23 Jun 2023	18 Nov 2022	11 Aug 2022
Machine Hours	1919	2405	915	434
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	43.3	43.6	43.9	44.9
Acid Number (AN)	mg KOH/g	0.40	0.43	0.43	0.51



CONTAMINATION

Particles >4µm		6200	4657	1443	1161
Particles >6µm		2493	1592	344	308
Particles >14µm		220	94	14	32
ISO 4406:1999 (c)		20/18/15	19/18/14	18/16/11	17/15/12
Silicon	ppm	3	3	2	2
Sodium	ppm	0	2	1	2
Potassium	ppm	<1	2	0	3

Diagnosis
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates 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	6	4	2	1
Copper	ppm	3	3	2	2
Lead	ppm	2	2	<1	1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	3
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	53	47	48	42
Magnesium	ppm	<1	7	0	<1
Zinc	ppm	411	395	412	403
Phosphorus	ppm	310	312	318	317
Barium	ppm	0	2	1	<1
Boron	ppm	0	0	0	<1

Depot: SAIBIR
Unique No: 10658787
Signed: Don Baldrige
Report Date: 22 Sep 2023

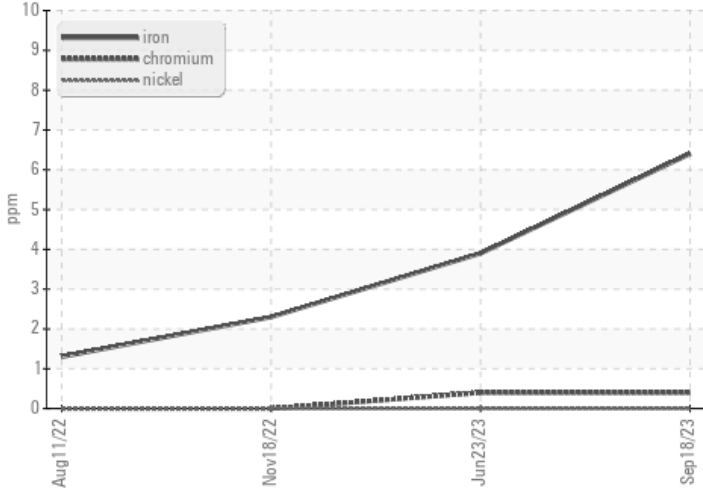


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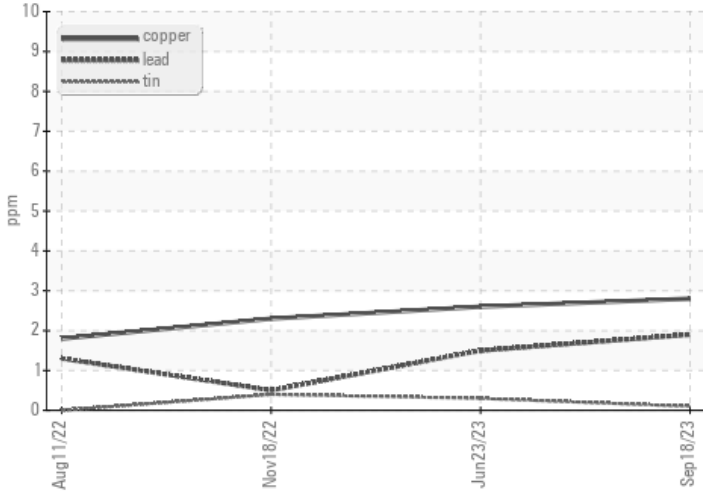


GRAPHS

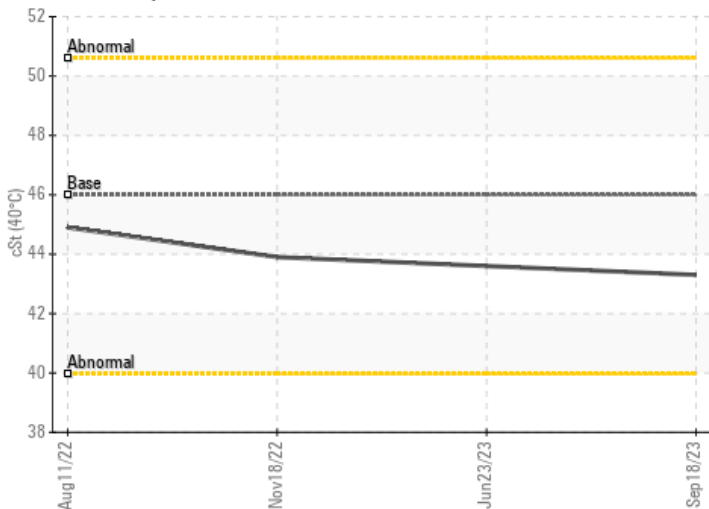
Ferrous Alloys



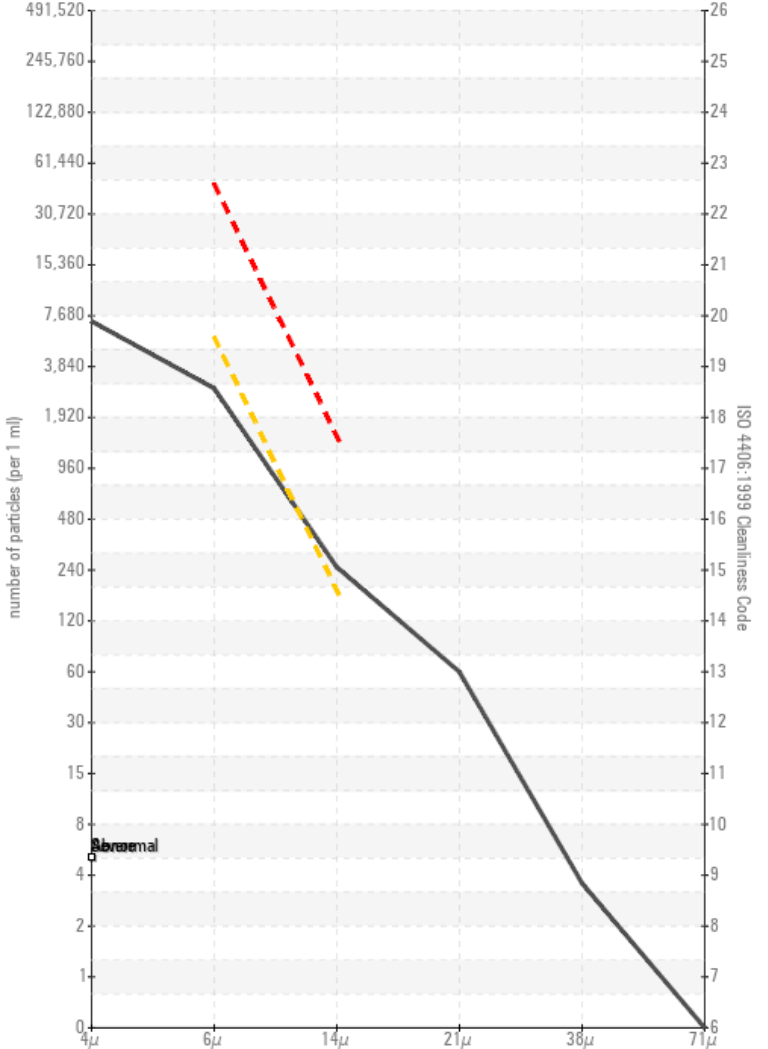
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

