



CONSTRUCTION EQUIPMENT

VOLVO A60H 340039 - HYDRAULIC SYSTEM



Sample No: VCP412591

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP412591	VCP366098	VCP363542	VCP354408
Sample Date	20 Jun 2023	29 Nov 2022	15 Aug 2022	04 May 2022
Machine Hours	7542	7061	6529	6042
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
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	44.5	45.1	42.9	40.8
Acid Number (AN)	mg KOH/g	0.36	0.37	0.32	0.36



CONTAMINATION

Particles >4µm		1035	3154	2439	206
Particles >6µm		303	915	226	36
Particles >14µm		27	41	13	8
ISO 4406:1999 (c)		17/15/12	19/17/13	18/15/11	15/12/10
Silicon	ppm	2	3	3	2
Sodium	ppm	1	<1	<1	1
Potassium	ppm	0	0	0	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	9	8	12
Copper	ppm	2	2	4	4
Lead	ppm	0	1	<1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	1	1
Chromium	ppm	1	1	1	2
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	74	63	102	74
Magnesium	ppm	15	3	4	5
Zinc	ppm	421	357	387	338
Phosphorus	ppm	318	300	285	286
Barium	ppm	14	0	0	0
Boron	ppm	0	<1	4	3

Depot: SAIBIR

Unique No: 10538287

Signed: Don Baldrige

Report Date: 04 Jul 2023

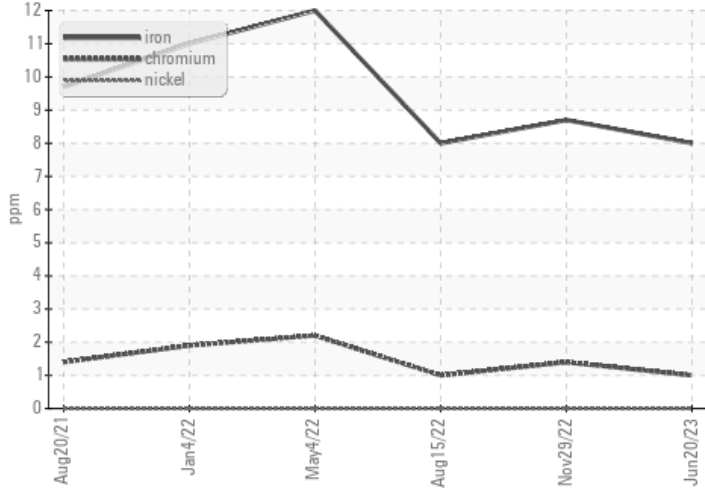


CONSTRUCTION EQUIPMENT

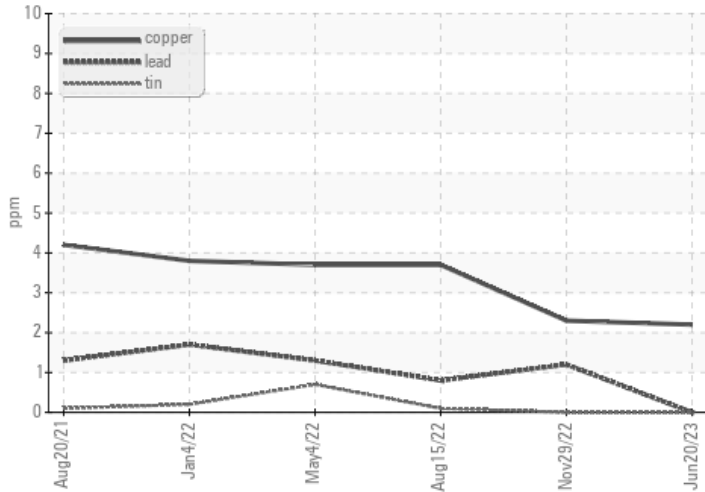


VOLVO GRAPHS

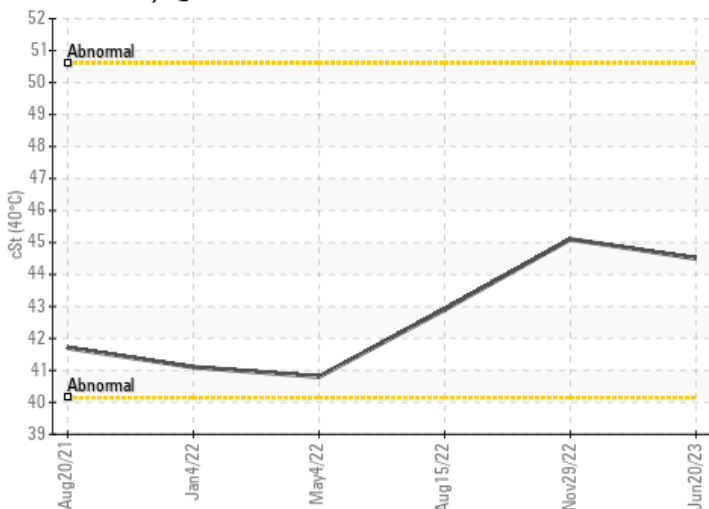
Ferrous Alloys



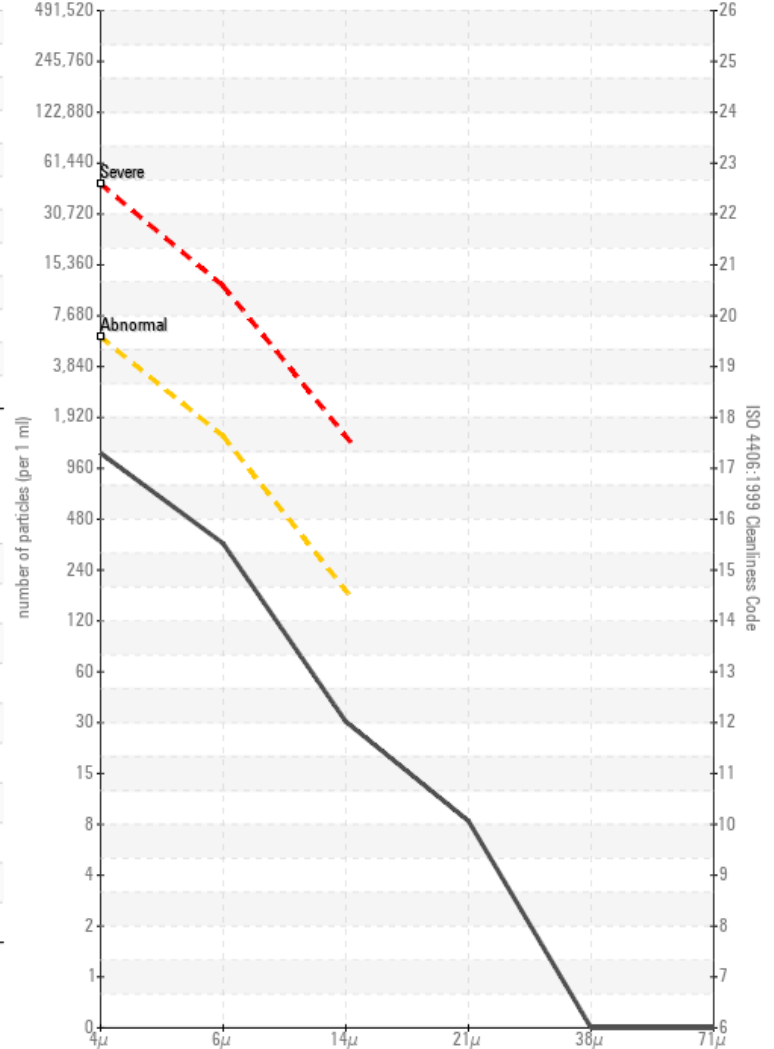
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

