



CONSTRUCTION EQUIPMENT

SWO-063332 VOLVO A30G 752677 - HYDRAULIC SYSTEM



Sample No: VCP424143
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-063332



SAMPLE INFORMATION

Sample Number	VCP424143	VCP368398	VCP366684	---
Sample Date	23 Jun 2023	18 Nov 2022	11 Aug 2022	---
Machine Hours	2405	915	434	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	43.6	43.9	44.9	---
Acid Number (AN)	mg KOH/g	0.43	0.43	0.51	---



CONTAMINATION

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

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

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

Depot: SAIBIR
Unique No: 10536044
Signed: Angela Borella
Report Date: 30 Jun 2023

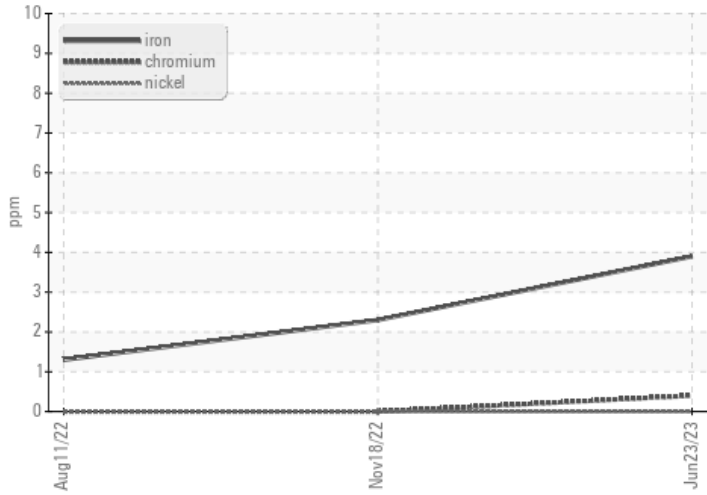


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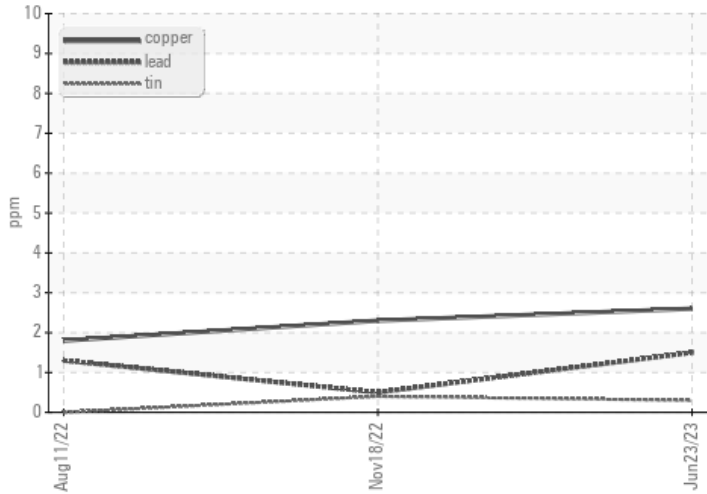


VOLVO GRAPHS

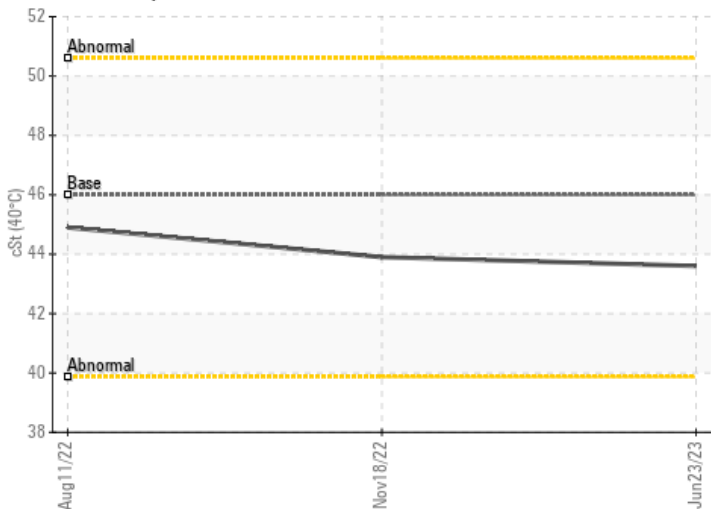
Ferrous Alloys



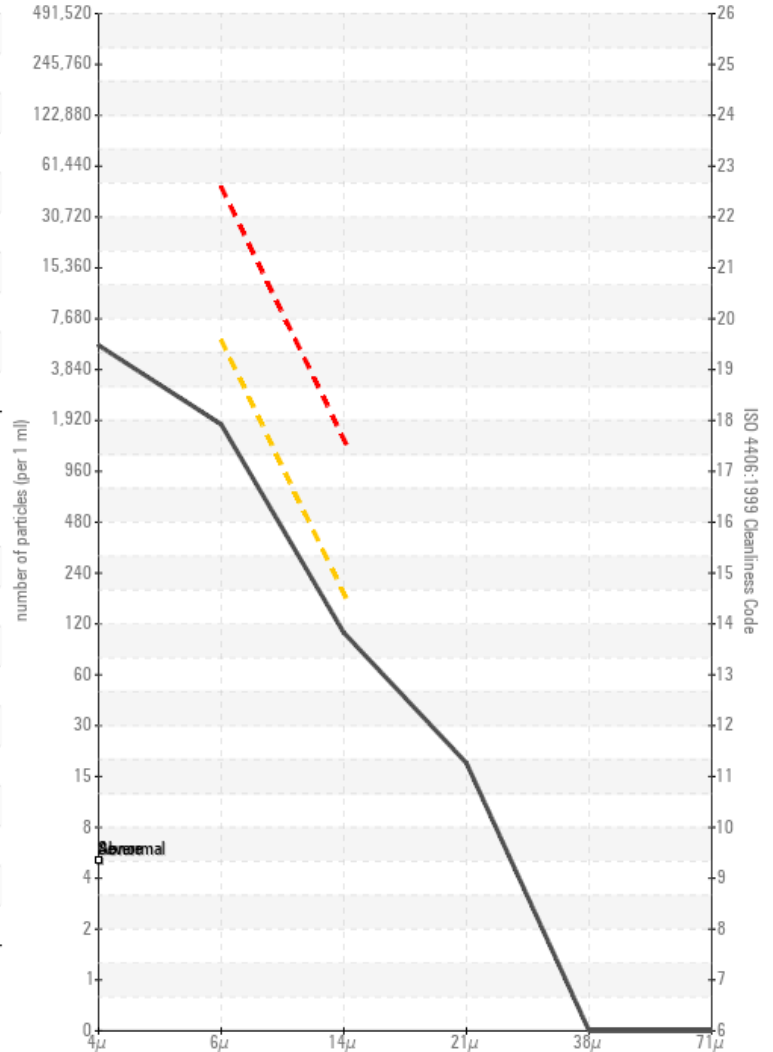
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

