



CONSTRUCTION EQUIPMENT

SWO-067233 VOLVO A60H A60H 340126 - HYDRAULIC SYSTEM



Sample No: VCP431022
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-067233



SAMPLE INFORMATION

Sample Number	VCP431022	VCP412976	VCP401990	VCP397701
Sample Date	03 Nov 2023	11 Jul 2023	10 Apr 2023	20 Jan 2023
Machine Hours	9145	8645	8117	7659
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.0	42.2	41.7	40.8
Acid Number (AN)	mg KOH/g	0.39	0.36	0.38	0.35



CONTAMINATION

Particles >4µm	6639	3225	3670	869	
Particles >6µm	2646	734	864	202	
Particles >14µm	321	40	29	19	
ISO 4406:1999 (c)	20/19/16	19/17/12	19/17/12	17/15/11	
Silicon	ppm	7	6	5	7
Sodium	ppm	0	2	2	0
Potassium	ppm	2	<1	<1	1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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	14	13	8	16
Copper	ppm	4	3	2	5
Lead	ppm	1	<1	0	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	1	2	1	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	<1	0
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	98	100	96	72
Magnesium	ppm	9	9	9	5
Zinc	ppm	440	441	439	435
Phosphorus	ppm	326	359	362	331
Barium	ppm	3	0	0	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 10729885
Signed: Jonathan Hester
Report Date: 09 Nov 2023

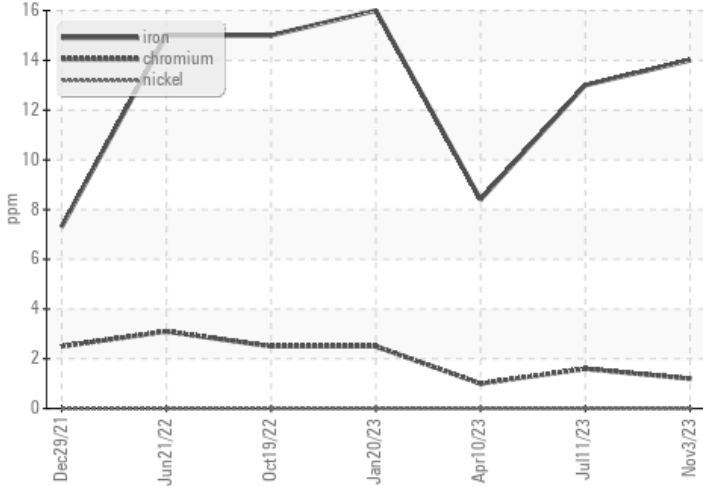


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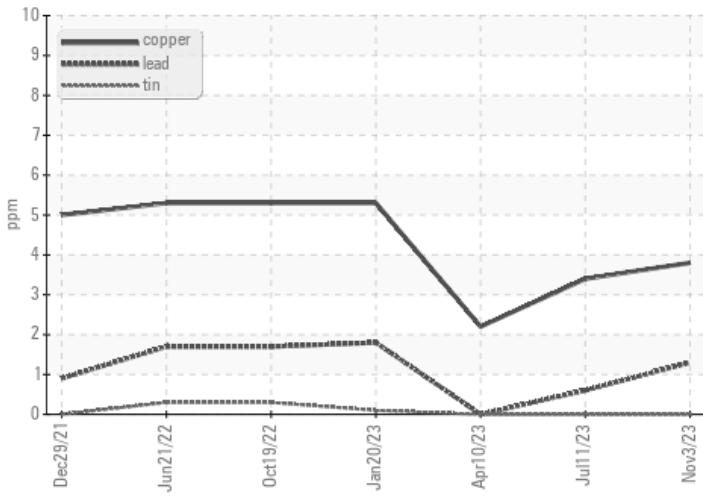


GRAPHS

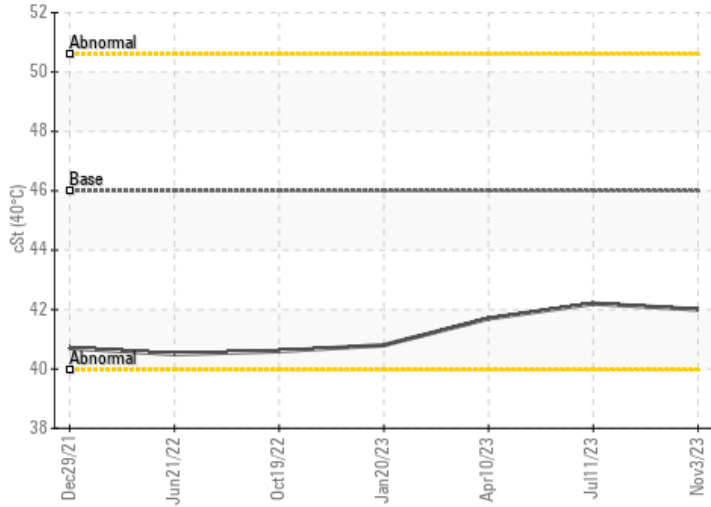
Ferrous Alloys



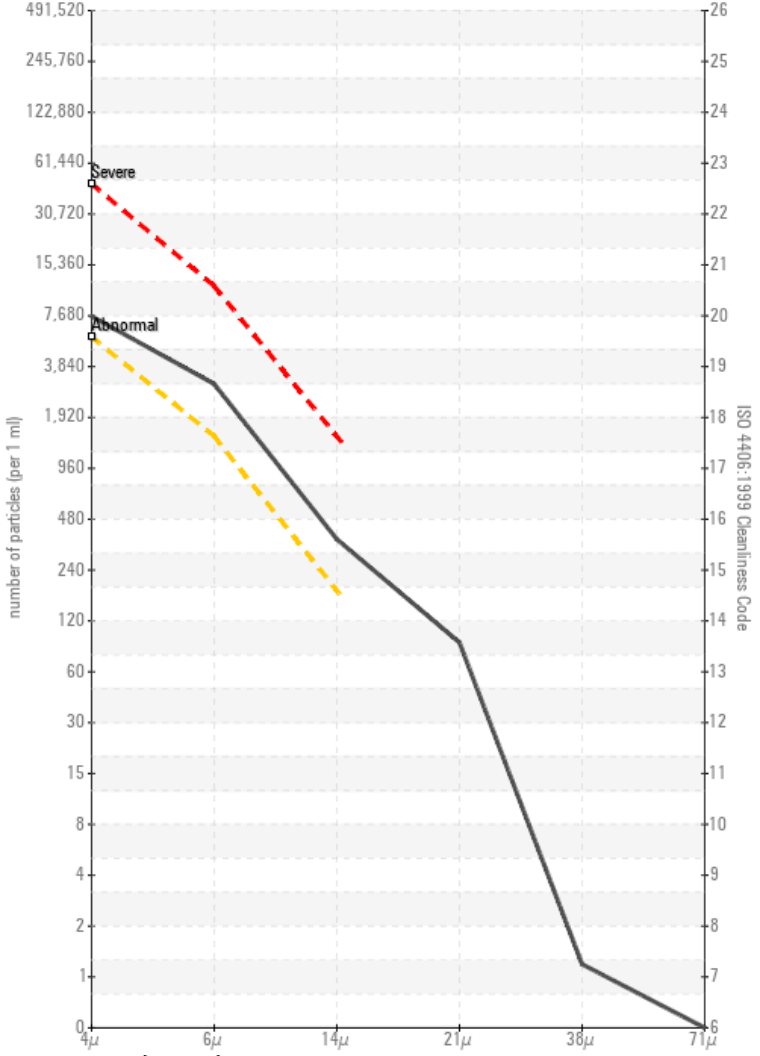
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

