



CONSTRUCTION EQUIPMENT

SWO-060958 VOLVO A60 340124 - HYDRAULIC SYSTEM



Sample No: VCP429495
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-060958



SAMPLE INFORMATION

Sample Number	VCP429495	VCP408969	VCP401140	VCP364036
Sample Date	06 Nov 2023	15 Jun 2023	04 Mar 2023	26 Oct 2022
Machine Hours	8770	2220	7828	7297
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.7	44.3	41.9	41.1
Acid Number (AN)	mg KOH/g	0.37	0.40	0.34	0.38



CONTAMINATION

Particles >4µm	20719	2258	718	1242	
Particles >6µm	8803	575	143	212	
Particles >14µm	804	35	14	14	
ISO 4406:1999 (c)	22/20/17	18/16/12	17/14/11	17/15/11	
Silicon	ppm	5	5	6	7
Sodium	ppm	0	2	3	<1
Potassium	ppm	2	1	<1	2

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	11	8	13	14
Copper	ppm	4	3	5	6
Lead	ppm	1	1	<1	2
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	1	2	3
Chromium	ppm	1	2	3	3
Molybdenum	ppm	<1	1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	103	106	76	88
Magnesium	ppm	11	9	4	5
Zinc	ppm	447	459	385	444
Phosphorus	ppm	326	356	308	339
Barium	ppm	0	0	0	0
Boron	ppm	0	0	<1	1

Depot: SAIBIR
Unique No: 10729882
Signed: Jonathan Hester
Report Date: 09 Nov 2023

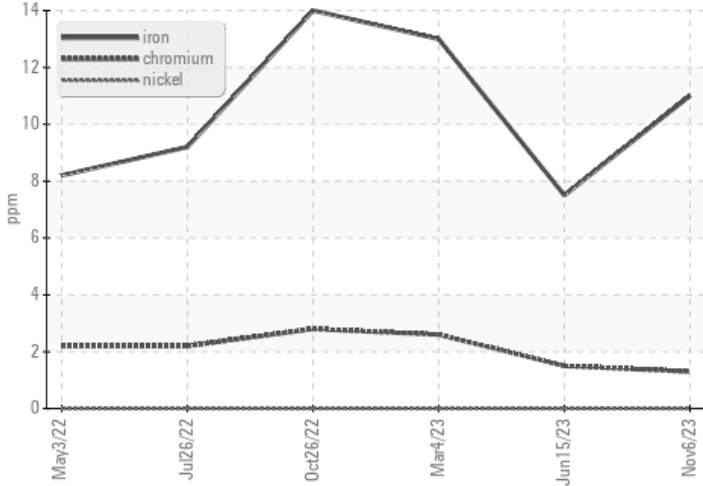


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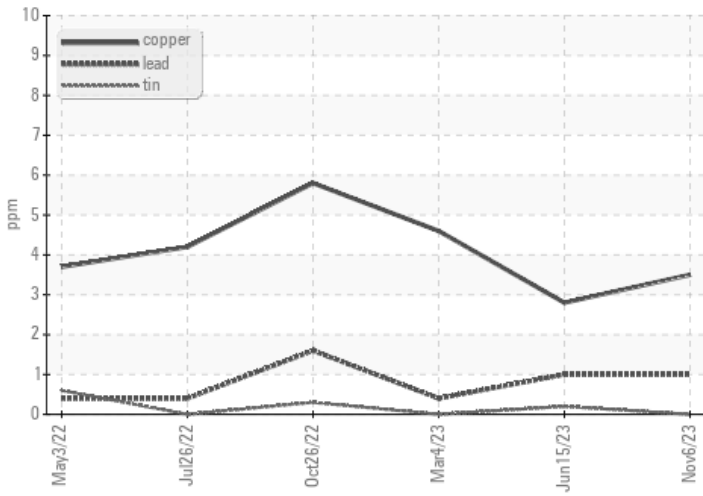


GRAPHS

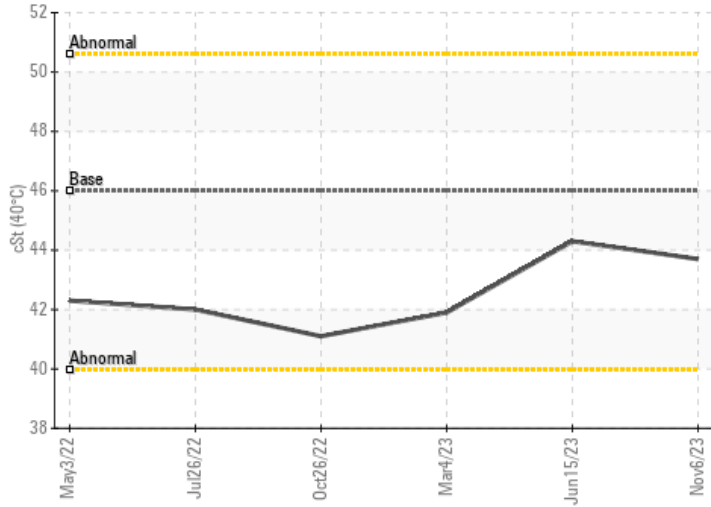
Ferrous Alloys



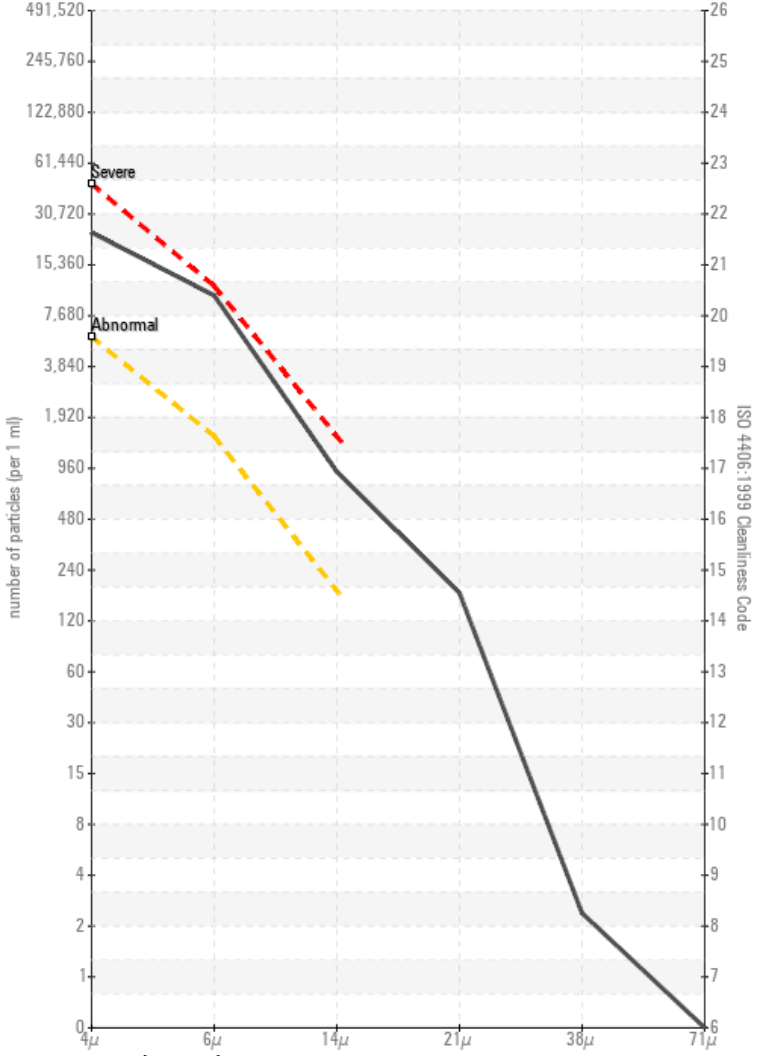
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

