



CONSTRUCTION EQUIPMENT

SWO-063670 VOLVO A60H A60H 340126 - HYDRAULIC SYSTEM



Sample No: VCP412976
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-063670



SAMPLE INFORMATION

Sample Number	VCP412976	VCP401990	VCP397701	VCP379696
Sample Date	11 Jul 2023	10 Apr 2023	20 Jan 2023	19 Oct 2022
Machine Hours	8645	8117	7659	7148
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.2	41.7	40.8	40.6
Acid Number (AN)	mg KOH/g	0.36	0.38	0.35	0.35



CONTAMINATION

Particles >4µm		3225	3670	869	▲ 11193
Particles >6µm		734	864	202	▲ 3603
Particles >14µm		40	29	19	▲ 287
ISO 4406:1999 (c)		19/17/12	19/17/12	17/15/11	21/19/15
Silicon	ppm	6	5	7	7
Sodium	ppm	2	2	0	0
Potassium	ppm	<1	<1	1	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	13	8	16	15
Copper	ppm	3	2	5	5
Lead	ppm	<1	0	2	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	2	1	2	2
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	100	96	72	69
Magnesium	ppm	9	9	5	4
Zinc	ppm	441	439	435	432
Phosphorus	ppm	359	362	331	330
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	<1

Depot: SAIBIR
Unique No: 10559867
Signed: Jonathan Hester
Report Date: 17 Jul 2023

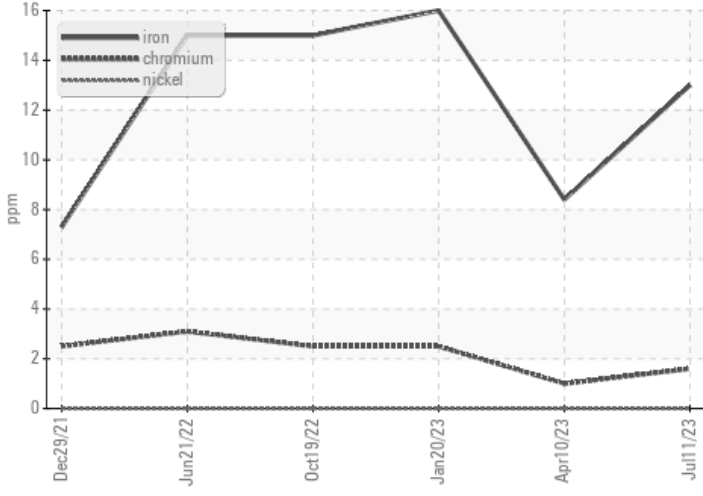


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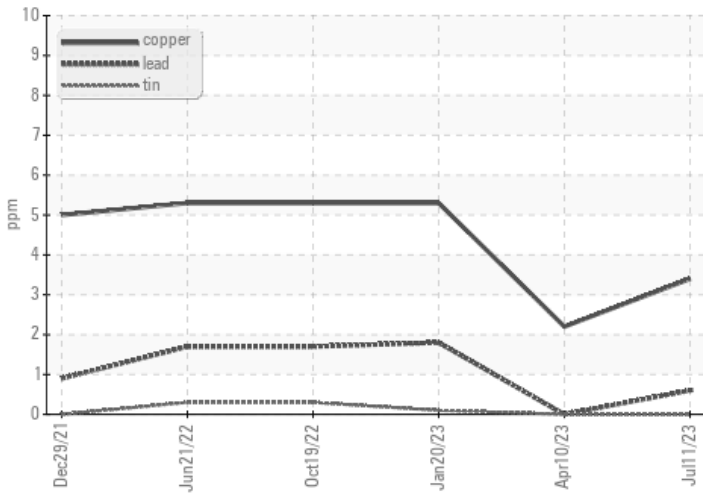


GRAPHS

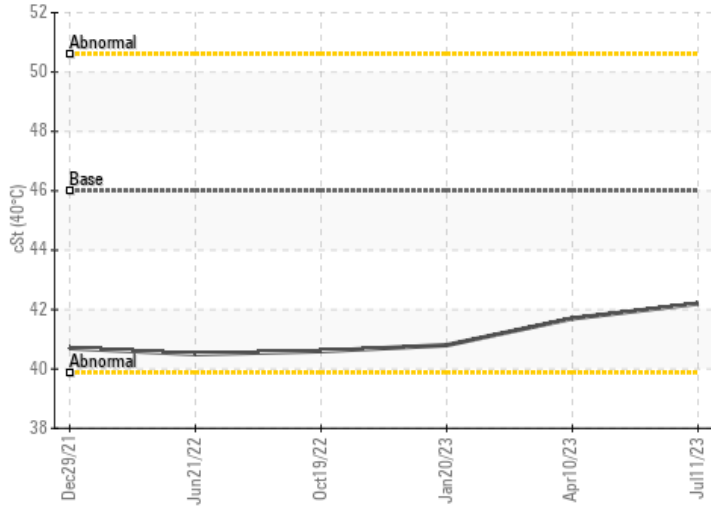
Ferrous Alloys



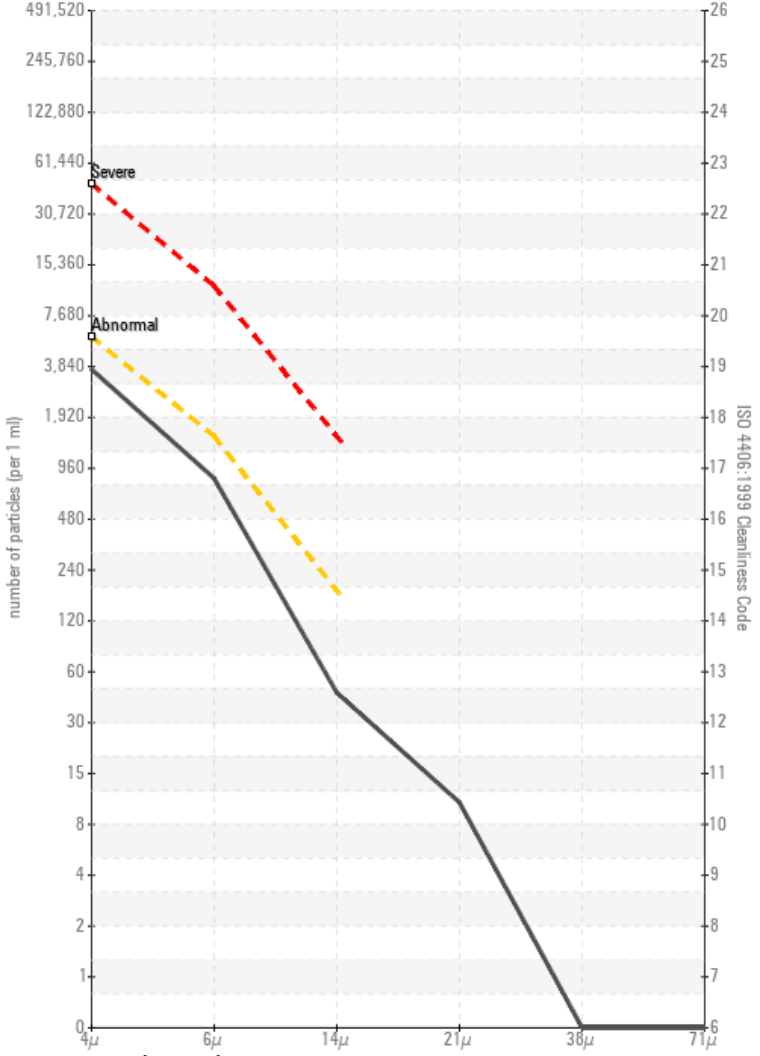
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

