



CONSTRUCTION EQUIPMENT

SWO-071761 VOLVO A60H 340099 - HYDRAULIC SYSTEM



Sample No: VCP453852
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-071761



SAMPLE INFORMATION

Sample Number	VCP453852	VCP429283	VCP428924	VCP416646
Sample Date	15 May 2024	23 Jan 2024	11 Oct 2023	18 Jul 2023
Machine Hours	9054	8489	7982	7491
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ATTENTION

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	45.1	45.0	45.0	42.9
Acid Number (AN)	mg KOH/g	0.49	0.62	0.47	0.38



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1197	1298	7635	4496
Particles >6µm		304	220	2596	1539
Particles >14µm		9	9	169	134
ISO 4406:1999 (c)		17/15/10	17/15/10	20/19/15	19/18/14
Silicon	ppm	4	4	5	5
Sodium	ppm	<1	0	2	0
Potassium	ppm	0	2	2	2

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	12	11	9	10
Copper	ppm	2	3	3	3
Lead	ppm	1	1	2	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	3	1	<1
Chromium	ppm	2	1	2	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	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	115	115	105	111
Magnesium	ppm	76	78	78	8
Zinc	ppm	528	547	582	463
Phosphorus	ppm	420	415	433	352
Barium	ppm	0	0	0	1
Boron	ppm	0	0	2	0

Depot: SAIBIR
Unique No: 11035557
Signed: Jonathan Hester
Report Date: 22 May 2024

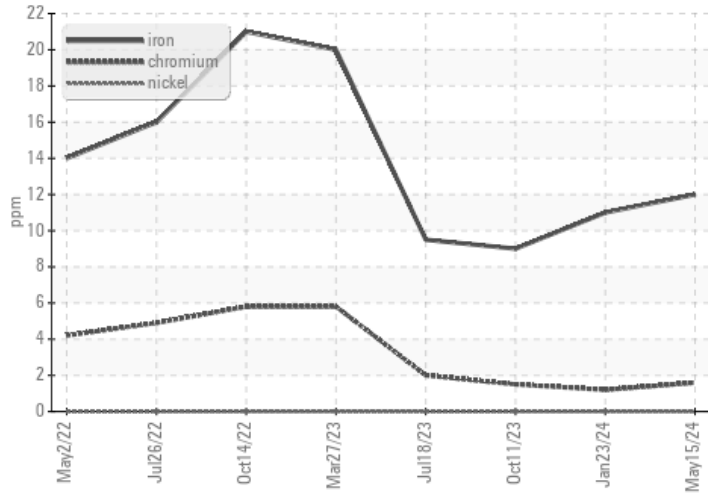


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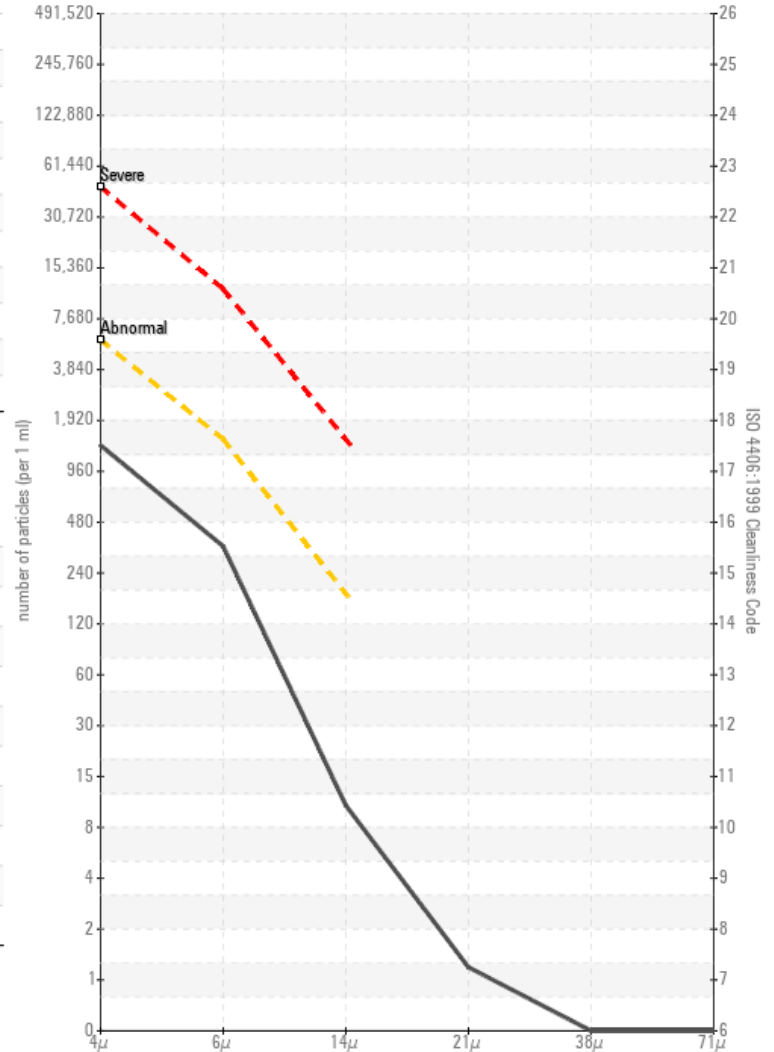


VOLVO GRAPHS

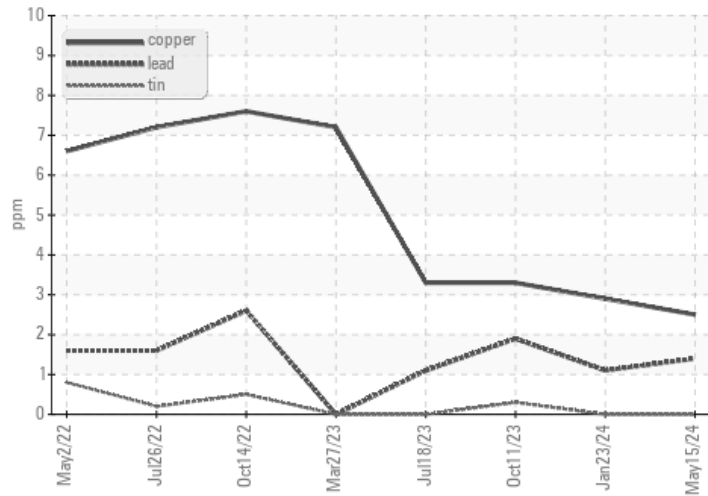
Ferrous Alloys



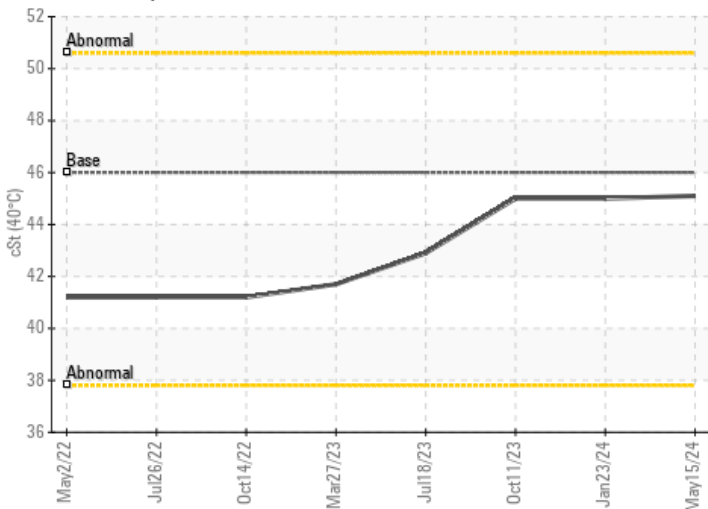
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

