



CONSTRUCTION EQUIPMENT

SWO-071489 VOLVO A60H A60H 340 102 - HYDRAULIC SYSTEM



Sample No: VCP450895
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-071489



SAMPLE INFORMATION

Sample Number	VCP450895	VCP446977	VCP431906	VCP404936
Sample Date	25 Apr 2024	01 Feb 2024	28 Sep 2023	11 Jul 2023
Machine Hours	10205	9767	9302	8821
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	ABNORMAL	ABNORMAL

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	42.3	40.1	40.3	40.5
Acid Number (AN)	mg KOH/g	0.47	0.48	0.46	0.46



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5989	686	77788	---
Particles >6µm		1584	149	29960	---
Particles >14µm		54	7	2194	---
ISO 4406:1999 (c)		20/18/13	17/14/10	23/22/18	---
Silicon	ppm	0	3	4	3
Sodium	ppm	1	2	<1	2
Potassium	ppm	0	2	1	<1

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) 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	6	9	11	9
Copper	ppm	1	4	3	2
Lead	ppm	0	2	1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	0	2	0	0
Chromium	ppm	0	<1	1	<1
Molybdenum	ppm	3	2	2	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	110	93	93	100
Magnesium	ppm	47	72	11	12
Zinc	ppm	482	570	482	492
Phosphorus	ppm	404	460	362	397
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 11005005
Signed: Don Baldrige
Report Date: 02 May 2024

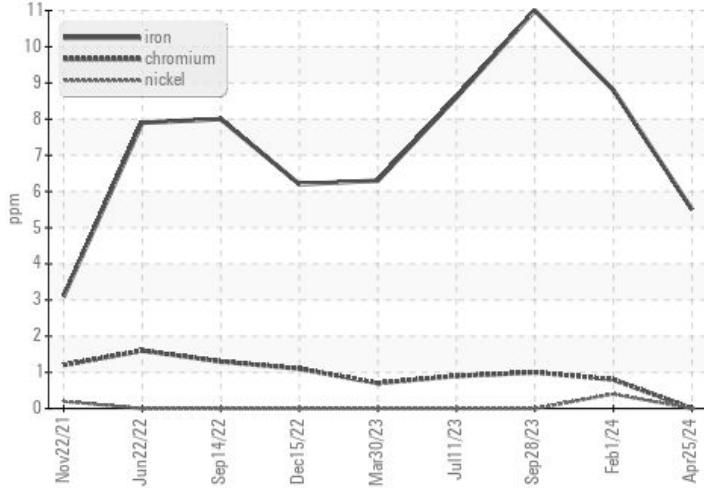


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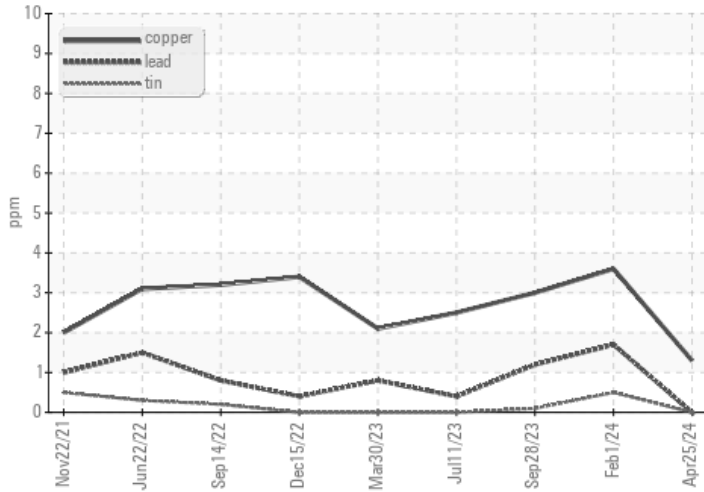


GRAPHS

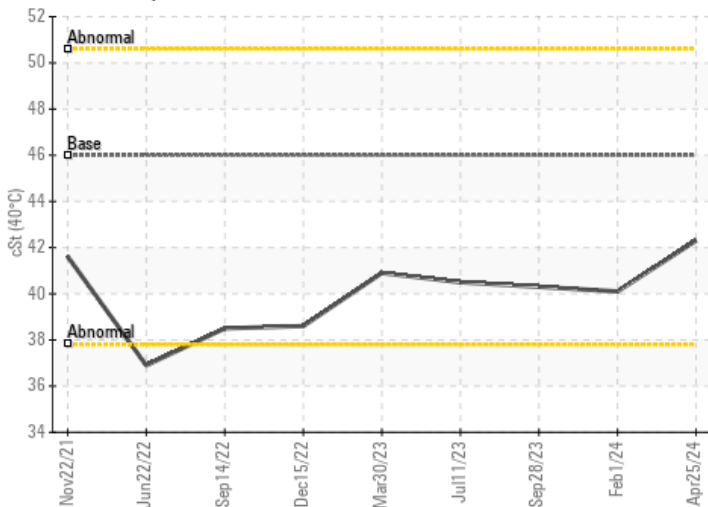
Ferrous Alloys



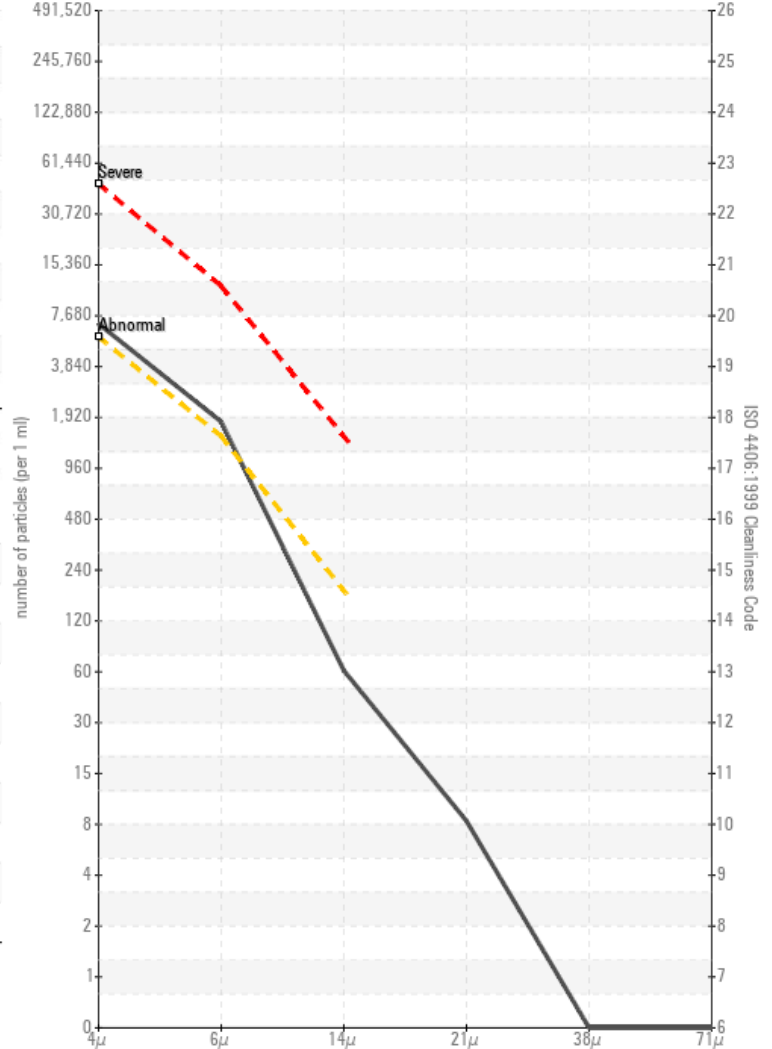
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

