



# CONSTRUCTION EQUIPMENT

## SPM580053 VOLVO L150H 6952 - HYDRAULIC SYSTEM



**Sample No:** VCP420669  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM580053



### SAMPLE INFORMATION

Sample Number	<b>VCP420669</b>	VCP423214	VCP387072	VCP374962
Sample Date	<b>19 Jul 2023</b>	01 Jun 2023	02 Nov 2022	16 Jun 2022
Machine Hours	<b>10311</b>	10051	3006	6528
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
 Contact: RYAN WISE  
 ryan.wise@simsmm.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>43.82</b>	43.1	42.9	42.7
Acid Number (AN)	mg KOH/g	<b>0.43</b>	0.44	0.44	0.44

### CONTAMINATION

Particles >4µm	<b>49813</b>	3515	24013	10901	
Particles >6µm	<b>15362</b>	728	4631	2236	
Particles >14µm	<b>961</b>	36	180	92	
ISO 4406:1999 (c)	<b>23/21/17</b>	19/17/12	22/19/15	21/18/14	
Silicon	ppm	<b>&lt;1</b>	<1	<1	<1
Sodium	ppm	<b>2</b>	0	3	2
Potassium	ppm	<b>0</b>	1	0	0

### 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	<b>6</b>	6	4	3
Copper	ppm	<b>&lt;1</b>	2	1	1
Lead	ppm	<b>0</b>	1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>4</b>	3	2	2
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>70</b>	68	60	67
Magnesium	ppm	<b>11</b>	10	8	9
Zinc	ppm	<b>499</b>	515	511	498
Phosphorus	ppm	<b>385</b>	392	402	395
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	<1

**Depot:** SIMCHIL  
**Unique No:** 10586379  
**Signed:** Doug Bogart  
**Report Date:** 08 Aug 2023

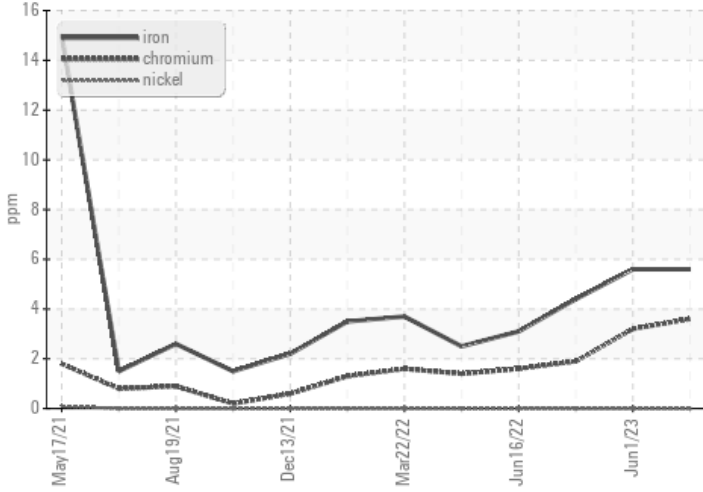


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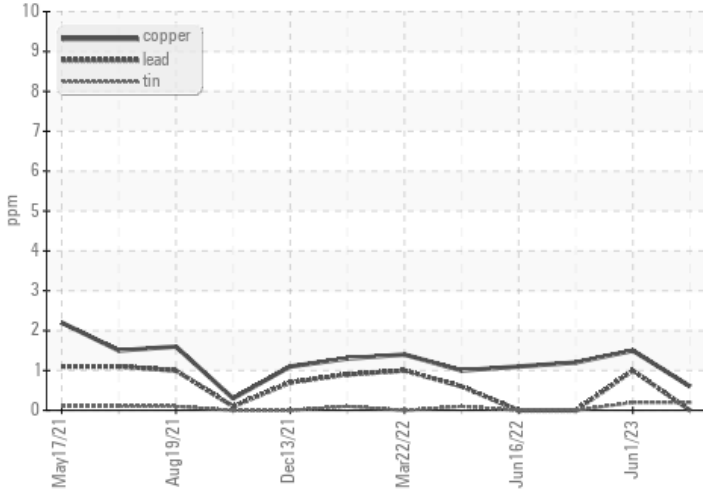


## GRAPHS

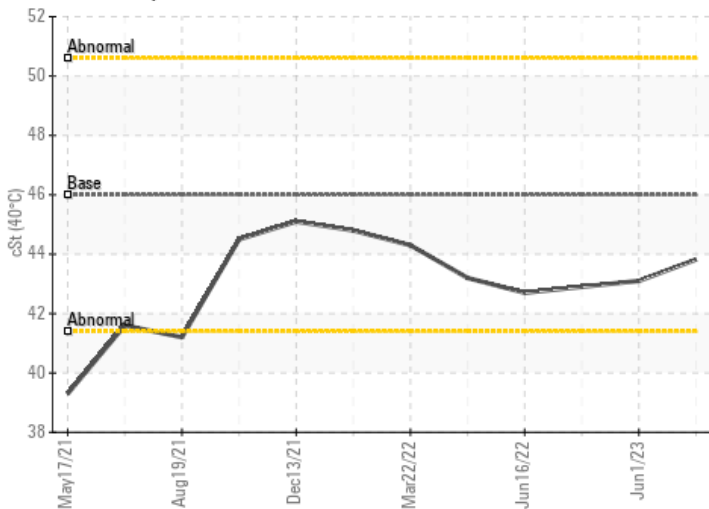
### Ferrous Alloys



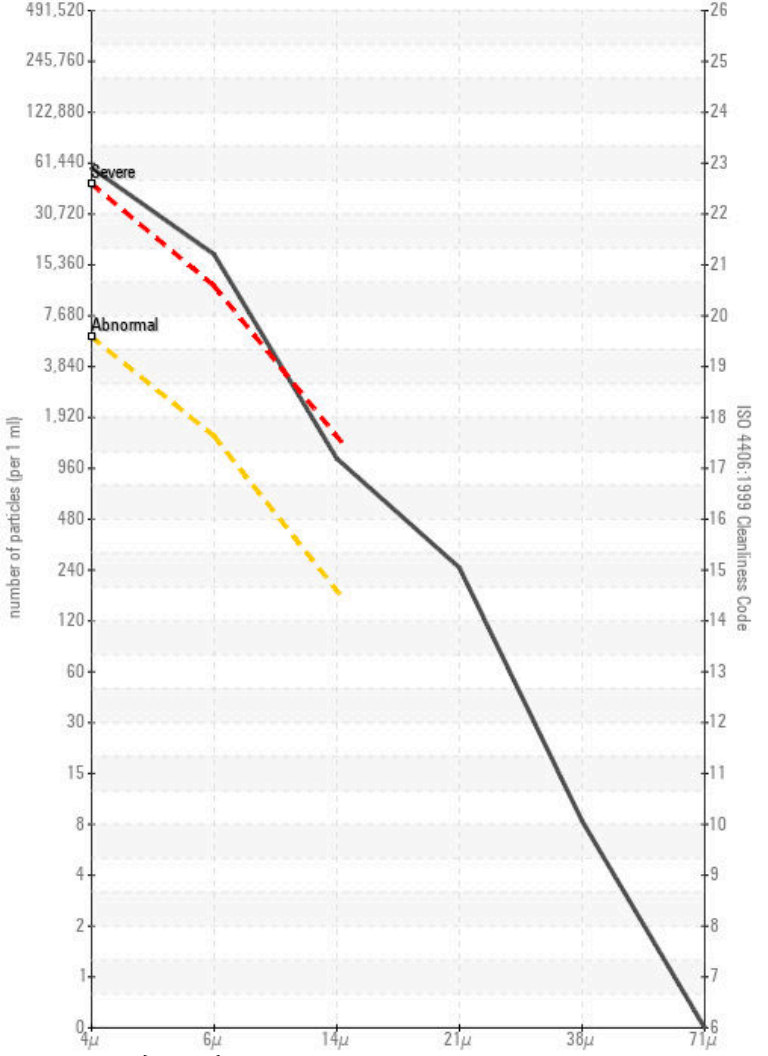
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

