



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752372 - HYDRAULIC SYSTEM



**Sample No:** VCP357108  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP357108</b>	VCP410811	VCP357106	VCP349473
Sample Date	<b>13 Jul 2023</b>	28 Feb 2023	11 Aug 2022	11 Apr 2022
Machine Hours	<b>3000</b>	2500	1500	1000
Oil Hours	<b>1000</b>	500	1500	1000
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SANTA ROSA COUNTY LANDFILLS**  
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 MILTON, FL  
 US 32583  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	44.2	44.3	44.6
Acid Number (AN)	mg KOH/g	<b>0.39</b>	0.40	0.42	0.42

### CONTAMINATION

Particles >4µm		<b>319</b>	1695	6401	2174
Particles >6µm		<b>77</b>	342	478	229
Particles >14µm		<b>12</b>	24	28	20
ISO 4406:1999 (c)		<b>15/13/11</b>	18/16/12	20/16/12	18/15/11
Silicon	ppm	<b>4</b>	4	4	3
Sodium	ppm	<b>1</b>	1	0	0
Potassium	ppm	<b>&lt;1</b>	0	0	1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>12</b>	9	3	4
Copper	ppm	<b>4</b>	4	21	2
Lead	ppm	<b>2</b>	0	<1	2
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>4</b>	2	3	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
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	<1	<1
Manganese	ppm	<b>&lt;1</b>	0	<1	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>78</b>	65	2011	56
Magnesium	ppm	<b>0</b>	0	6	<1
Zinc	ppm	<b>486</b>	388	984	411
Phosphorus	ppm	<b>375</b>	302	864	305
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	2	0

**Depot:** SANMILFL  
**Unique No:** 10561192  
**Signed:** Wes Davis  
**Report Date:** 18 Jul 2023

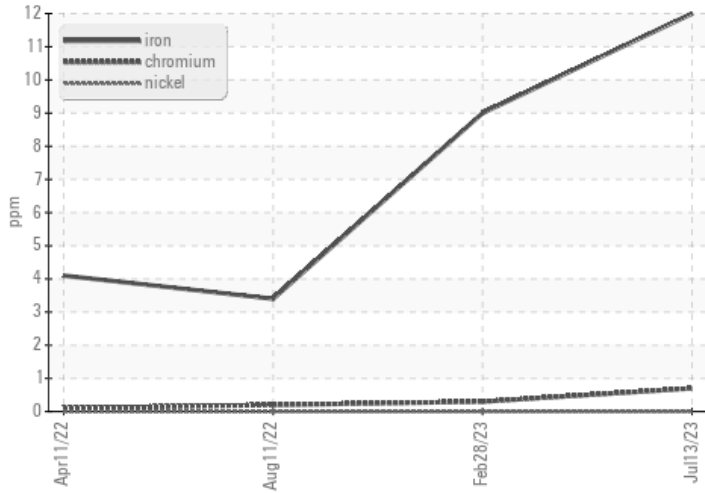


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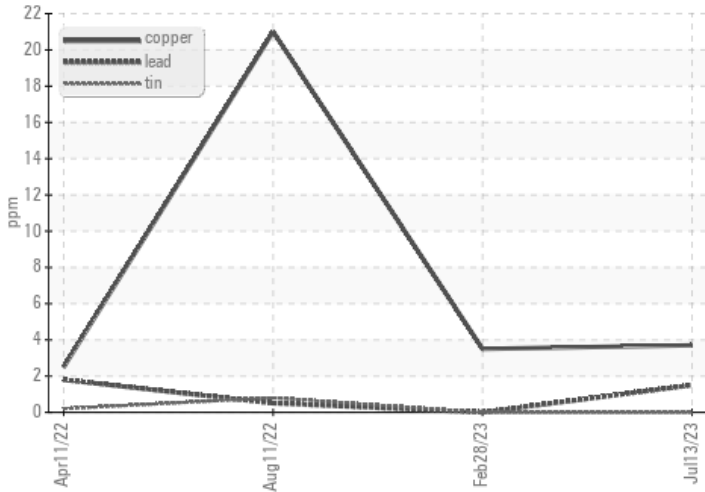


## GRAPHS

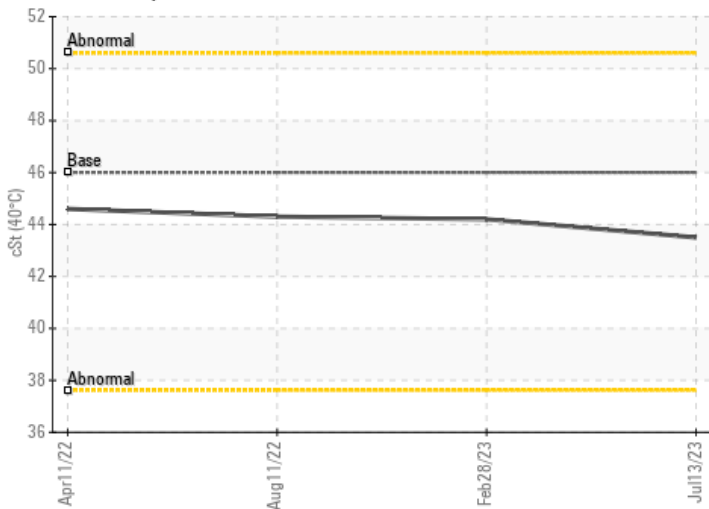
### Ferrous Alloys



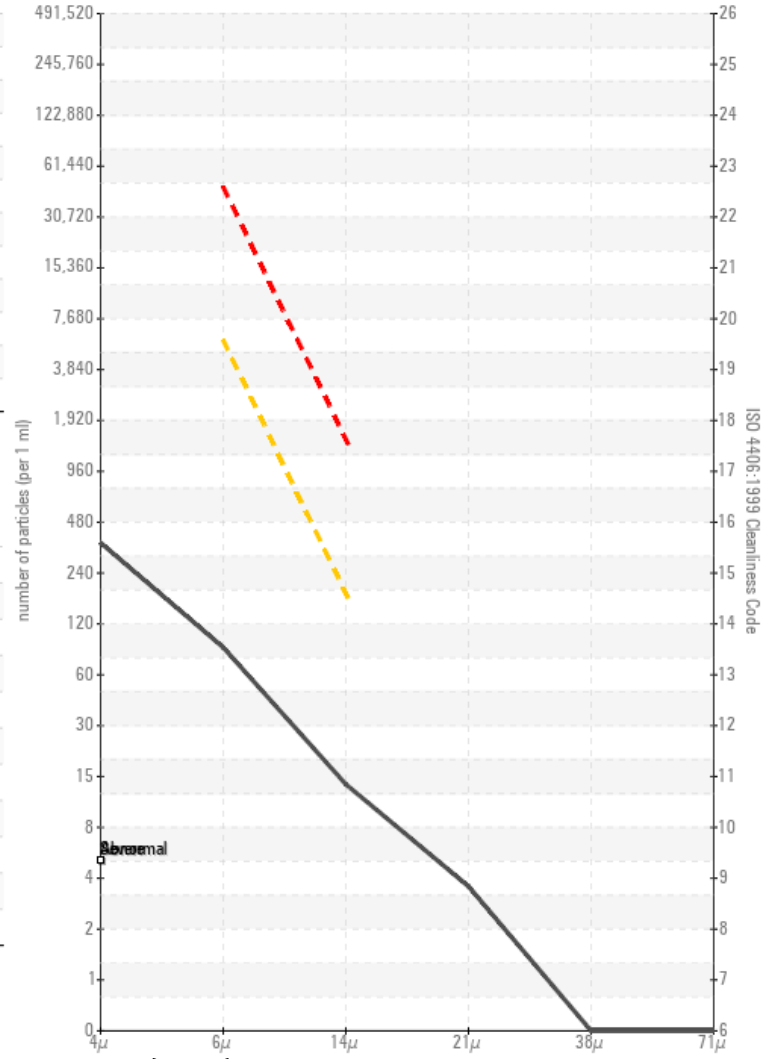
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

