



# CONSTRUCTION EQUIPMENT

## 134055 VOLVO A45G 352245 - HYDRAULIC SYSTEM



**Sample No:** VCP418731  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 134055



### SAMPLE INFORMATION

Sample Number	<b>VCP418731</b>	VCP423860	VCP393708	VCP393339
Sample Date	<b>11 Aug 2023</b>	19 Jun 2023	03 Mar 2023	27 Dec 2022
Machine Hours	<b>9987</b>	0	8955	8513
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE  
 14242 S SH-34  
 SCURRY, TX  
 US 75158  
 Contact: WALLACE WARREN  
 wallace.warren@lafargeholcim.com  
 T:  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.9</b>	43.9	43.8	43.6
Acid Number (AN)	mg KOH/g	<b>0.36</b>	0.38	0.30	0.39



### CONTAMINATION

Particles >4µm		<b>1025</b>	6738	795	2409
Particles >6µm		<b>238</b>	1133	171	790
Particles >14µm		<b>27</b>	29	11	80
ISO 4406:1999 (c)		<b>17/15/12</b>	20/17/12	17/15/11	18/17/13
Silicon	ppm	<b>6</b>	6	5	9
Sodium	ppm	<b>2</b>	2	1	3
Potassium	ppm	<b>0</b>	0	0	0

### 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>9</b>	9	7	14
Copper	ppm	<b>2</b>	2	2	3
Lead	ppm	<b>&lt;1</b>	0	0	2
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	1	2	4
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>2</b>	2	2	4
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	0	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>63</b>	54	58	77
Magnesium	ppm	<b>4</b>	1	2	8
Zinc	ppm	<b>401</b>	393	388	414
Phosphorus	ppm	<b>327</b>	336	320	334
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	2	0

**Depot:** LATSCU  
**Unique No:** 10617354  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023

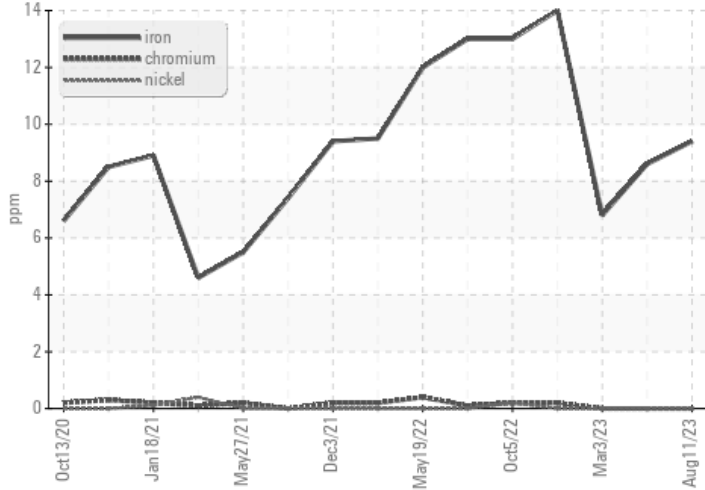


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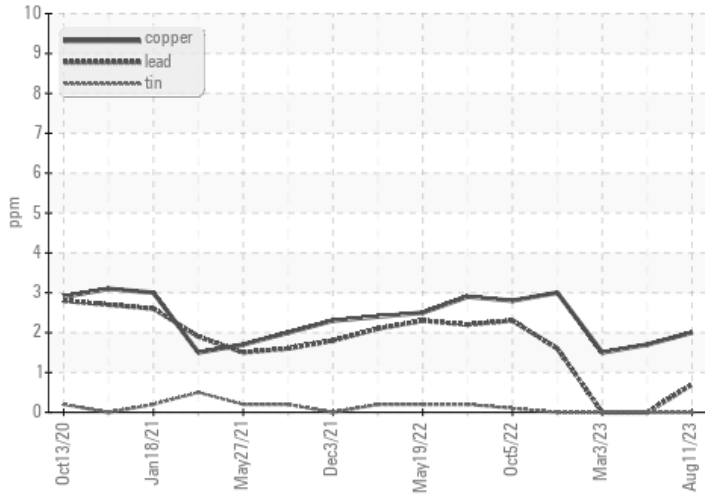


## GRAPHS

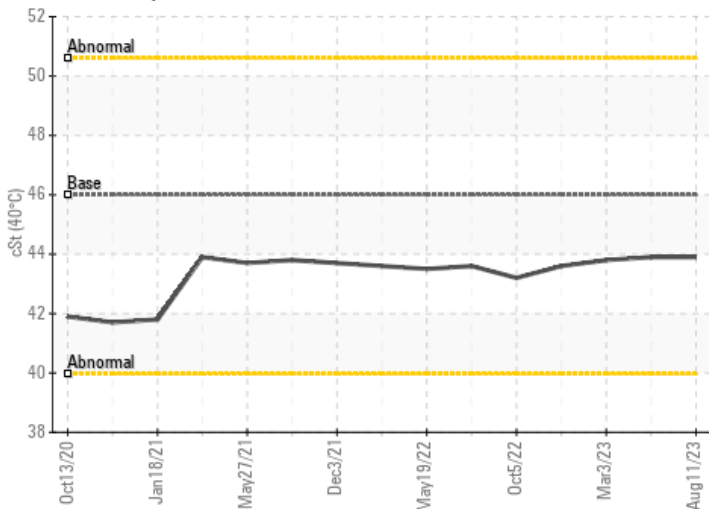
### Ferrous Alloys



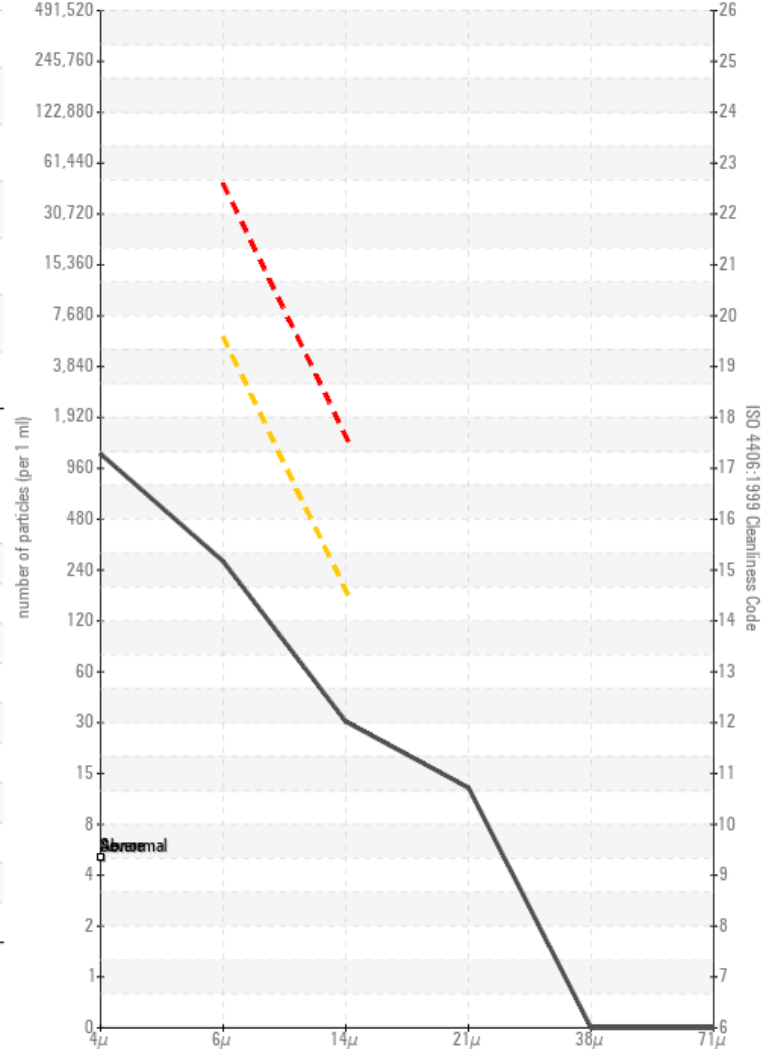
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

