



# CONSTRUCTION EQUIPMENT

## 133991 VOLVO A40G 352810 - BOGIE/CENTER AXLE



**Sample No:** VCP410097  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 133991



### SAMPLE INFORMATION

Sample Number	<b>VCP410097</b>	VCP419000	VCP419772	VCP383283
Sample Date	<b>04 Aug 2023</b>	05 Jun 2023	10 Apr 2023	20 Feb 2023
Machine Hours	<b>5500</b>	4941	4420	4017
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE  
 14242 S SH-34  
 SCURRY, TX  
 US 75158  
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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	129	130	134
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### CONTAMINATION

Silicon	ppm	<b>&lt;1</b>	0	<1	1
Sodium	ppm	<b>2</b>	0	0	0
Potassium	ppm	<b>&lt;1</b>	<1	0	<1

### 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>14</b>	12	13	28
Copper	ppm	<b>&lt;1</b>	0	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	1	2	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>37</b>	68	111	44
Magnesium	ppm	<b>8</b>	4	9	3
Zinc	ppm	<b>38</b>	28	46	25
Phosphorus	ppm	<b>870</b>	614	974	977
Barium	ppm	<b>&lt;1</b>	0	0	<1
Boron	ppm	<b>202</b>	118	199	207

**Depot:** LATSCU  
**Unique No:** 10603273  
**Signed:** Jonathan Hester  
**Report Date:** 16 Aug 2023

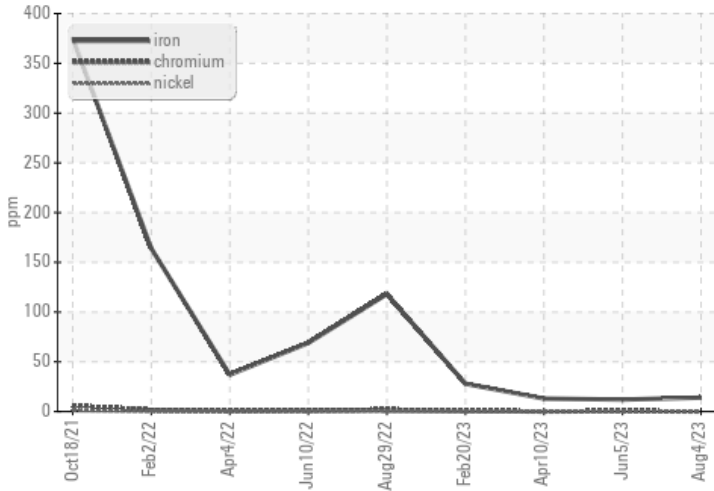


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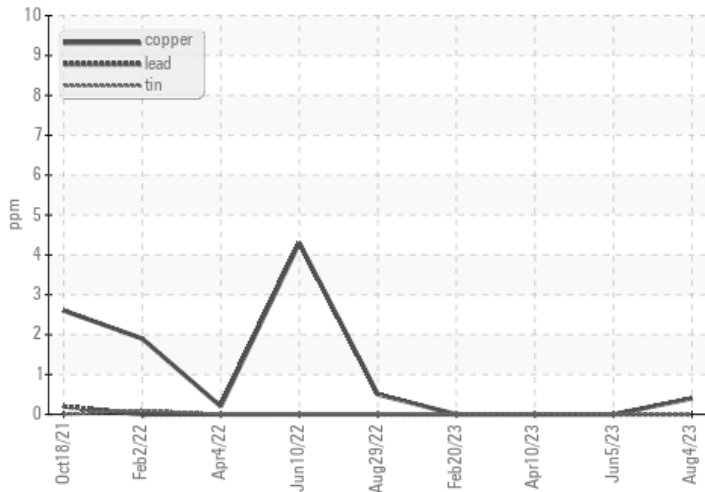


## GRAPHS

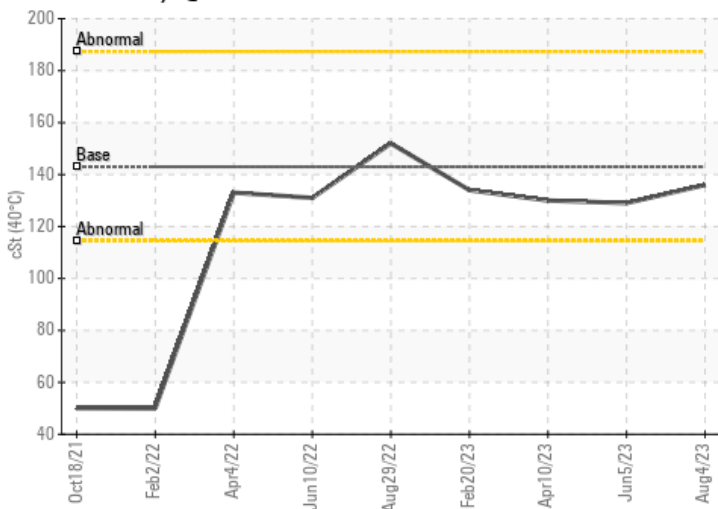
### Ferrous Alloys



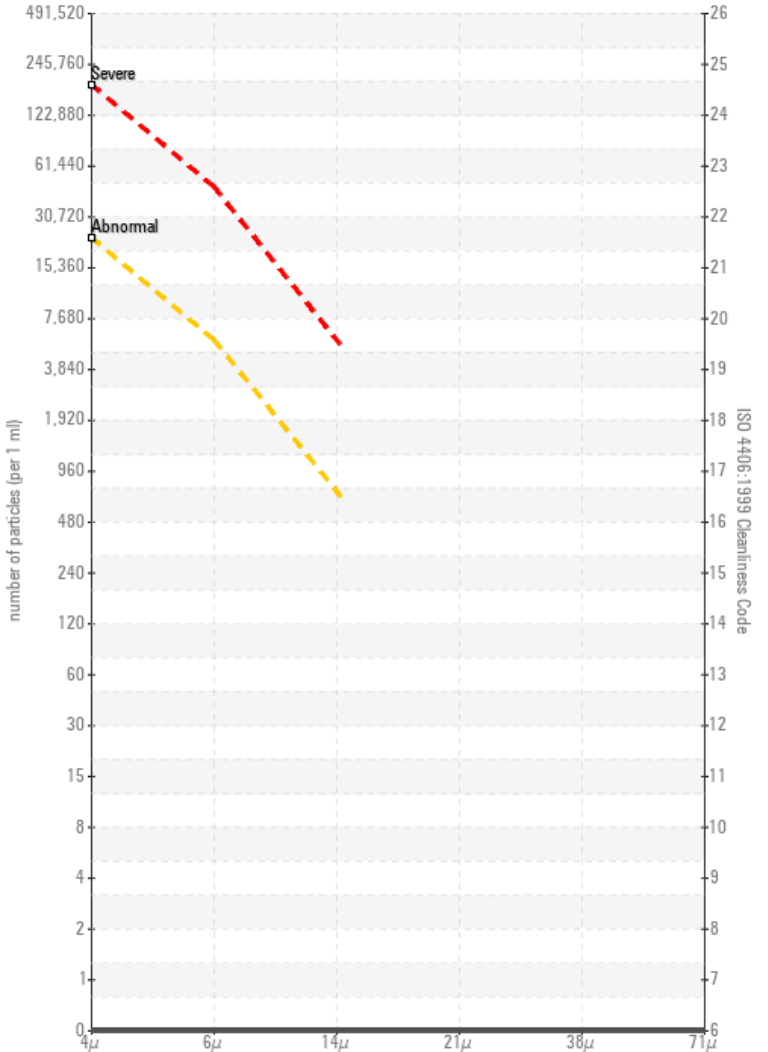
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

