



# CONSTRUCTION EQUIPMENT

## 133987 VOLVO L220H 3330 - HYDRAULIC SYSTEM



**Sample No:** VCP423798  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 133987



### SAMPLE INFORMATION

Sample Number	<b>VCP423798</b>	VCP424569	VCP393423	VCP401449
Sample Date	<b>08 Aug 2023</b>	12 Jun 2023	11 Apr 2023	17 Feb 2023
Machine Hours	<b>6543</b>	6006	5456	4965
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ATTENTION</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:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.7</b>	43.5	43.6	43.8
Acid Number (AN)	mg KOH/g	<b>0.39</b>	0.37	0.35	0.30



### CONTAMINATION

Particles >4µm		<b>1906</b>	915	905	476
Particles >6µm		<b>864</b>	90	201	70
Particles >14µm		<b>122</b>	11	44	11
ISO 4406:1999 (c)		<b>18/17/14</b>	17/14/11	17/15/13	16/13/11
Silicon	ppm	<b>2</b>	2	1	2
Sodium	ppm	<b>4</b>	2	1	<1
Potassium	ppm	<b>&lt;1</b>	0	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 light 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	<b>4</b>	4	3	3
Copper	ppm	<b>2</b>	1	<1	1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	0
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>41</b>	36	42	43
Magnesium	ppm	<b>6</b>	0	<1	0
Zinc	ppm	<b>378</b>	385	384	386
Phosphorus	ppm	<b>308</b>	328	324	311
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** LATSCU  
**Unique No:** 10603272  
**Signed:** Wes Davis  
**Report Date:** 15 Aug 2023

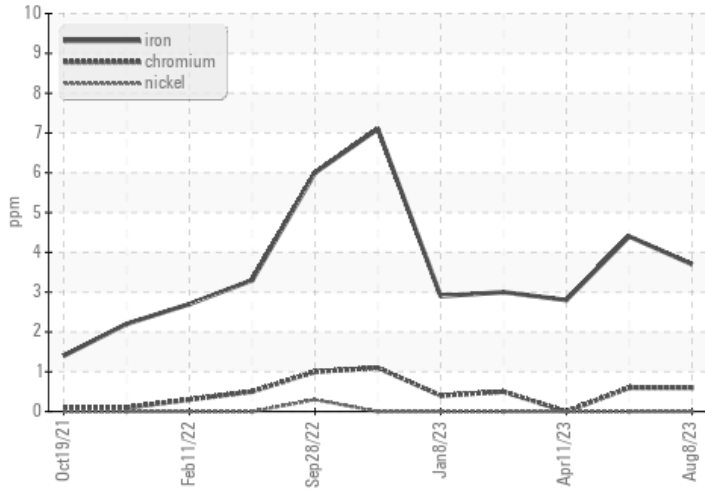


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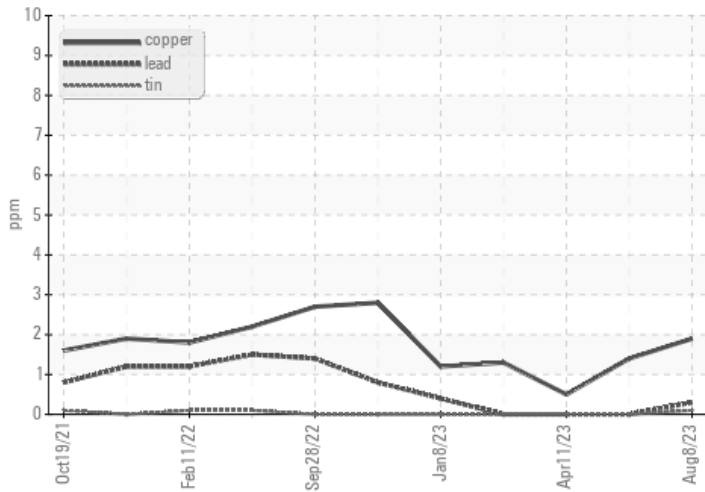


## GRAPHS

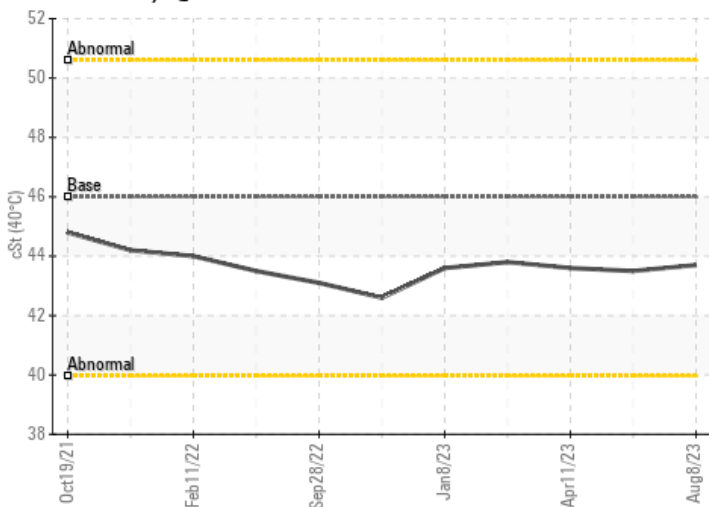
### Ferrous Alloys



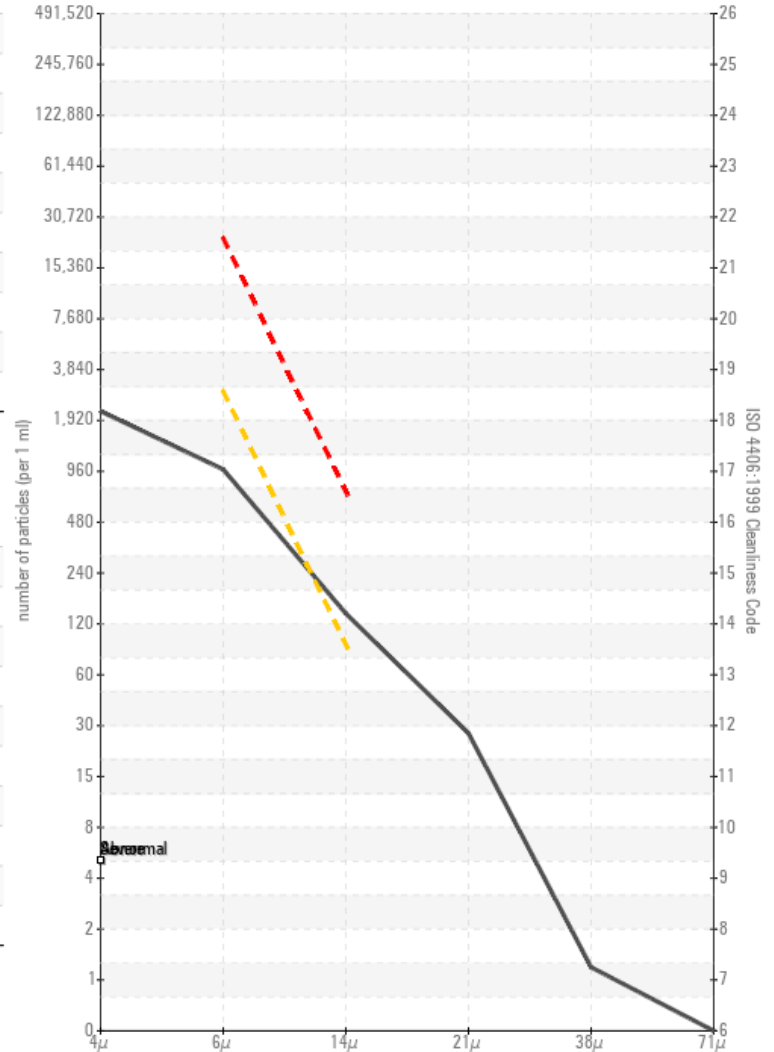
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

