



# CONSTRUCTION EQUIPMENT

## 600189 WASTE MGMT VOLVO L120H 632191 - HYDRAULIC SYSTEM



**Sample No:** VCP379885  
**Oil Type:** VOLVO HYDRAULIC SUPER 68  
**Job No:** 600189 WASTE MGMT



### SAMPLE INFORMATION

Sample Number	<b>VCP379885</b>	VCP424201	VCP371202	VCP363790
Sample Date	<b>09 Jan 2024</b>	07 Sep 2023	13 Jan 2023	11 Oct 2022
Machine Hours	<b>17705</b>	17291	16571	16520
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	N/A
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	NORMAL

**PACWEST MACHINERY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.8</b>	42.6	42.5	42.4
Acid Number (AN)	mg KOH/g	<b>0.45</b>	0.38	0.49	0.47



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>3786</b>	6341	1484	3017
Particles >6µm		<b>1146</b>	1805	283	737
Particles >14µm		<b>94</b>	123	25	73
ISO 4406:1999 (c)		<b>19/17/14</b>	20/18/14	18/15/12	19/17/13
Silicon	ppm	<b>0</b>	1	2	2
Sodium	ppm	<b>0</b>	0	2	3
Potassium	ppm	<b>0</b>	0	<1	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>0</b>	1	3	2
Copper	ppm	<b>0</b>	<1	1	1
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>49</b>	60	56	46
Magnesium	ppm	<b>3</b>	4	1	0
Zinc	ppm	<b>483</b>	495	488	455
Phosphorus	ppm	<b>359</b>	386	399	371
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO1271  
**Unique No:** 10861828  
**Signed:** Wes Davis  
**Report Date:** 06 Feb 2024

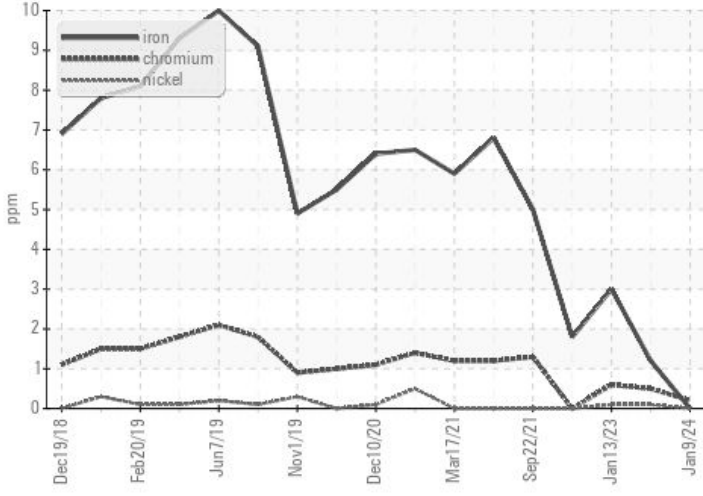


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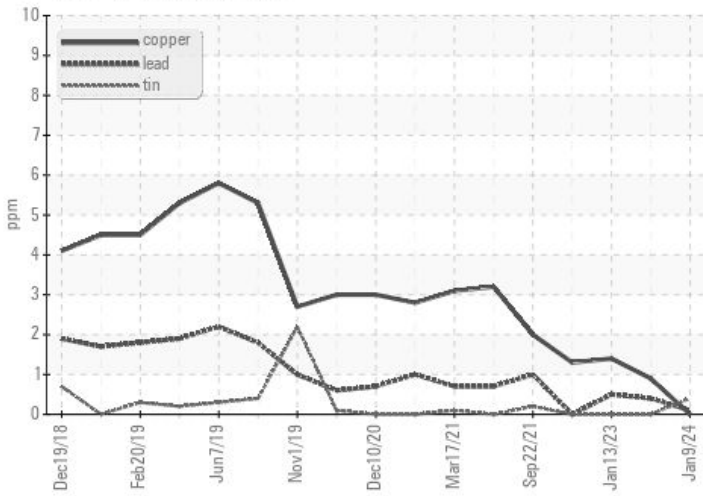


## GRAPHS

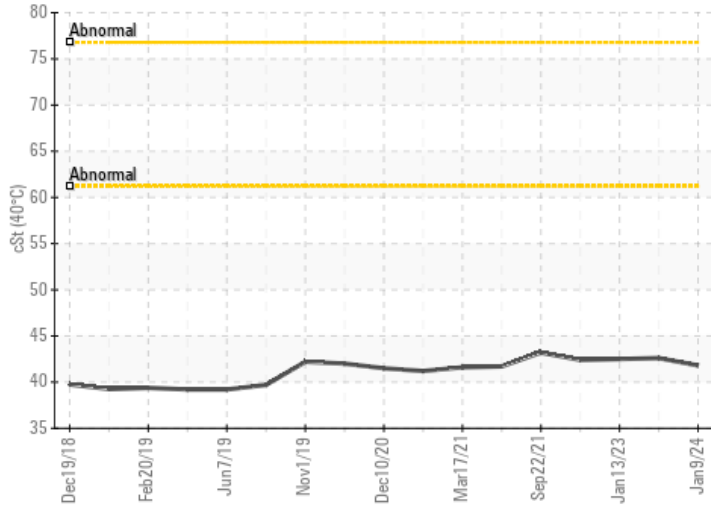
### Ferrous Alloys



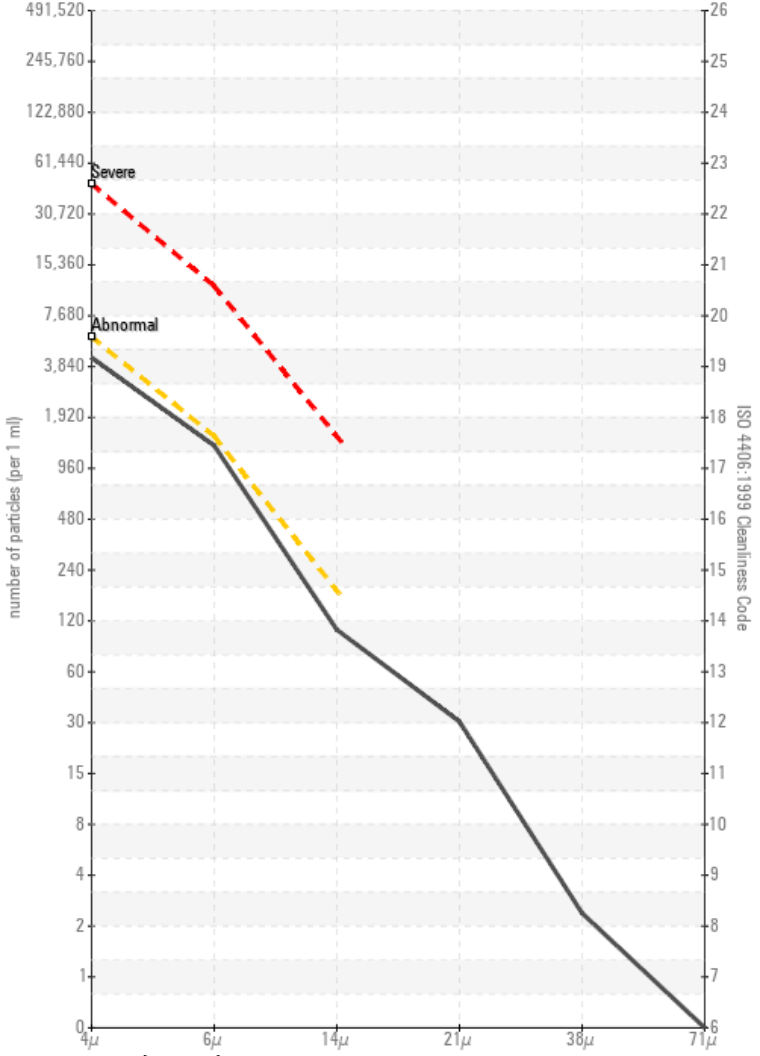
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

