



# CONSTRUCTION EQUIPMENT

## TRIPLE M METAL MLF-MAR14-020 VOLVO EC700C 110606 - HYDRAULIC SYSTEM



**Sample No:** VCP448149  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** MLF-MAR14-020



### SAMPLE INFORMATION

Sample Number	<b>VCP448149</b>	VCP394177	VCP251347	VCE252255
Sample Date	<b>19 Mar 2024</b>	08 Jan 2024	13 Jul 2020	29 Aug 2018
Machine Hours	<b>29157</b>	28630	16884	9537
Oil Hours	<b>1000</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	N/A
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	NORMAL

### STRONGCO EQUIPMENT (CE)

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 Burlington, ON  
 CA L7L 4Y1  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.5</b>	52.7	45.4	43.4
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### CONTAMINATION

Water	%	<b>0.010</b>	NEG	NEG	NEG
Particles >4µm		<b>5074</b>	68634	14795	36288
Particles >6µm		<b>1035</b>	18254	2916	599
Particles >14µm		<b>54</b>	484	147	33
ISO 4406:1999 (c)		<b>20/17/13</b>	23/21/16	21/19/14	22/16/12
Silicon	ppm	<b>&lt;1</b>	1	<1	1
Sodium	ppm	<b>&lt;1</b>	<1	<1	0
Potassium	ppm	<b>0</b>	<1	<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 water content is negligible. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>5</b>	9	1	4
Copper	ppm	<b>2</b>	4	13	4
Lead	ppm	<b>0</b>	<1	1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>0</b>	<1	0	<1
Chromium	ppm	<b>3</b>	4	<1	3
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>47</b>	30	16	37
Magnesium	ppm	<b>1</b>	<1	<1	<1
Zinc	ppm	<b>415</b>	406	374	418
Phosphorus	ppm	<b>332</b>	344	323	340
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	<1	<1	0

**Depot:** VOLV00252  
**Unique No:** 5748862  
**Signed:** Wes Davis  
**Report Date:** 22 Mar 2024

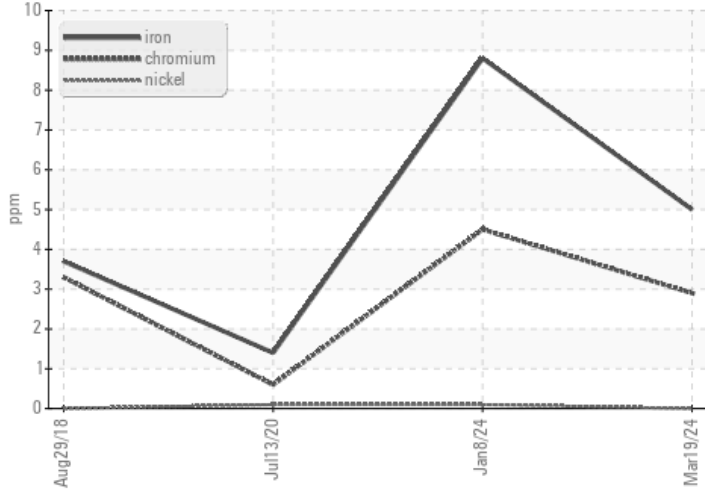


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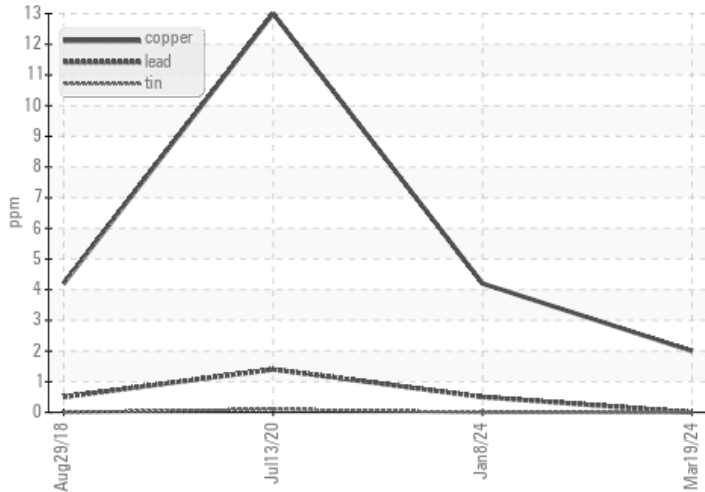


## GRAPHS

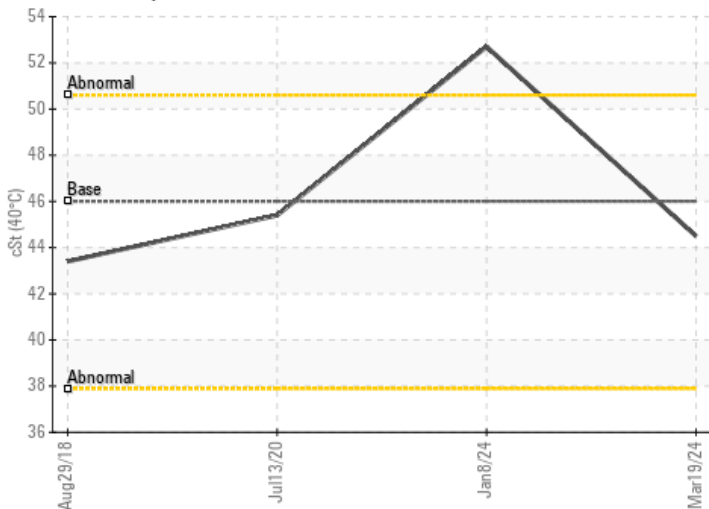
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

