



# CONSTRUCTION EQUIPMENT

## TRIPLE M METAL 379600 VOLVO EC700C 110604 - HYDRAULIC SYSTEM



**Sample No:** VCP380140  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 379600



### SAMPLE INFORMATION

Sample Number	<b>VCP380140</b>	VCP275320	VCP221678	VCE175600
Sample Date	<b>16 Oct 2023</b>	18 Feb 2021	10 Oct 2019	18 Jan 2018
Machine Hours	<b>10016</b>	7448	6095	3891
Oil Hours	<b>0</b>	2000	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

### STRONGCO EQUIPMENT (CE)

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### OIL CONDITION

Visc @ 40°C	cSt	<b>46.6</b>	40.6	39.5	37.4
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### CONTAMINATION

Particles >4µm		<b>132757</b>	2816	4052	6528
Particles >6µm		<b>69151</b>	194	486	529
Particles >14µm		<b>5658</b>	27	34	31
ISO 4406:1999 (c)		<b>24/23/20</b>	19/15/12	19/16/12	20/16/12
Silicon	ppm	<b>3</b>	2	2	3
Sodium	ppm	<b>1</b>	2	<1	1
Potassium	ppm	<b>&lt;1</b>	<1	1	<1

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	<b>10</b>	12	16	20
Copper	ppm	<b>4</b>	5	5	5
Lead	ppm	<b>1</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	1	1	<1
Molybdenum	ppm	<b>0</b>	<1	0	0
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>&lt;1</b>	<1	<1	0
Manganese	ppm	<b>0</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>34</b>	39	55	77
Magnesium	ppm	<b>&lt;1</b>	<1	<1	<1
Zinc	ppm	<b>385</b>	404	460	528
Phosphorus	ppm	<b>330</b>	323	379	409
Barium	ppm	<b>&lt;1</b>	0	<1	<1
Boron	ppm	<b>&lt;1</b>	<1	0	<1

**Depot:** VOLVO0252  
**Unique No:** 5658738  
**Signed:** Kevin Marson  
**Report Date:** 18 Oct 2023

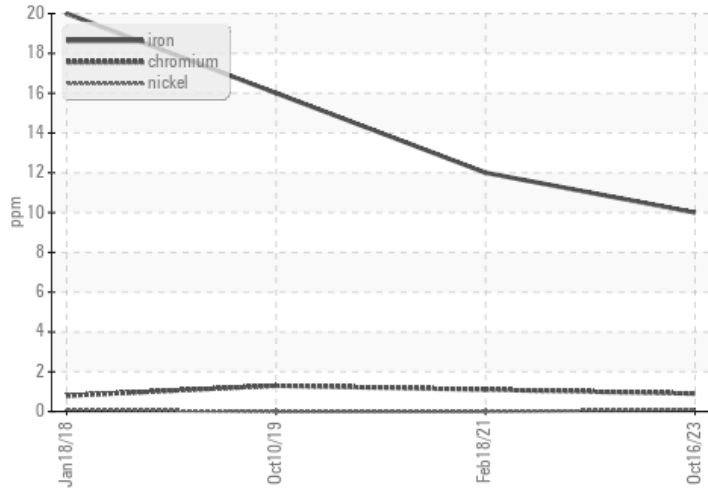


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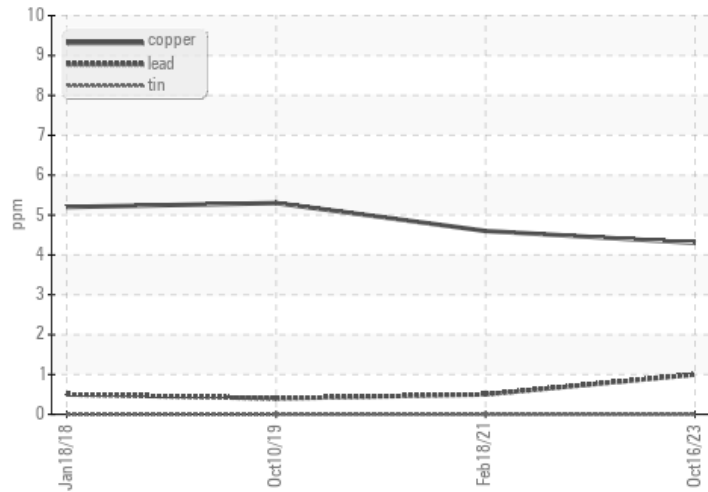


## GRAPHS

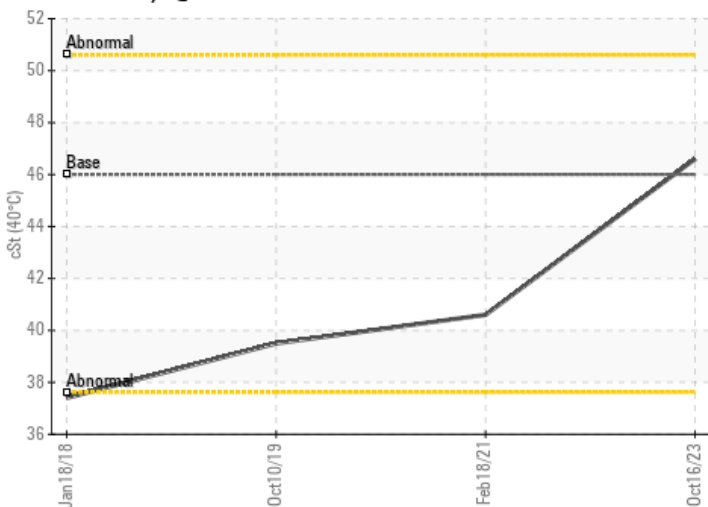
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

