



# CONSTRUCTION EQUIPMENT

248447 VOLVO EC380EL 3 10382 - HYDRAULIC SYSTEM



**Sample No:** VCP273083  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 248447

## **STRONGCO EQUIPMENT INC (STE- FOY)**

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## Diagnosis

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Les taux d'usure de tous les composants sont normaux. Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. L'état de l'huile est acceptable pour la durée de service. L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.



## SAMPLE INFORMATION

Sample Number		<b>VCP273083</b>	VCP204301	---	---
Sample Date		<b>07 Jun 2020</b>	21 Sep 2017	---	---
Machine Hours		<b>5132</b>	1435	---	---
Oil Hours		<b>0</b>	1435	---	---
Oil Changed		<b>Not Chngd</b>	Not Chngd	---	---
Sample Status		<b>ABNORMAL</b>	ABNORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	40.2	---	---
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## CONTAMINATION

Particles >4µm		<b>▲ 122393</b>	▲ 161350	---	---
Particles >6µm		<b>▲ 29361</b>	▲ 62589	---	---
Particles >14µm		<b>■ 366</b>	■ 108	---	---
ISO 4406:1999 (c)		<b>24/22/16</b>	25/23/14	---	---
Silicon	ppm	<b>■ 12</b>	■ 25	---	---
Sodium	ppm	<b>■ 1</b>	■ 3	---	---
Potassium	ppm	<b>■ 2</b>	■ 3	---	---



## WEAR METALS

Iron	ppm	<b>■ 24</b>	■ 24	---	---
Copper	ppm	<b>■ 44</b>	■ 109	---	---
Lead	ppm	<b>■ 2</b>	■ 5	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>■ 6</b>	■ 13	---	---
Chromium	ppm	<b>■ &lt;1</b>	■ <1	---	---
Molybdenum	ppm	<b>■ &lt;1</b>	■ <1	---	---
Nickel	ppm	<b>■ &lt;1</b>	■ <1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>■ &lt;1</b>	■ <1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>■ 82</b>	■ 125	---	---
Magnesium	ppm	<b>■ 13</b>	■ 2	---	---
Zinc	ppm	<b>■ 463</b>	■ 678	---	---
Phosphorus	ppm	<b>■ 397</b>	■ 530	---	---
Barium	ppm	<b>■ 0</b>	■ <1	---	---
Boron	ppm	<b>■ &lt;1</b>	■ 0	---	---

**Depot:** VOLVO0228  
**Unique No:** 5070904  
**Signed:** Kevin Marson  
**Report Date:** 10 Jul 2020

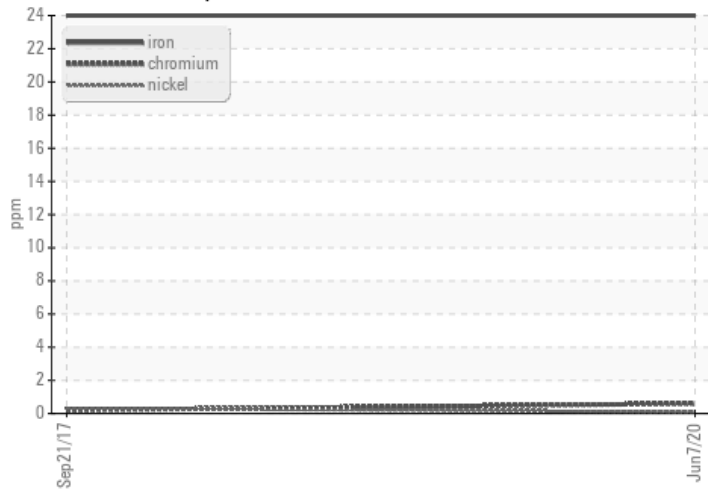


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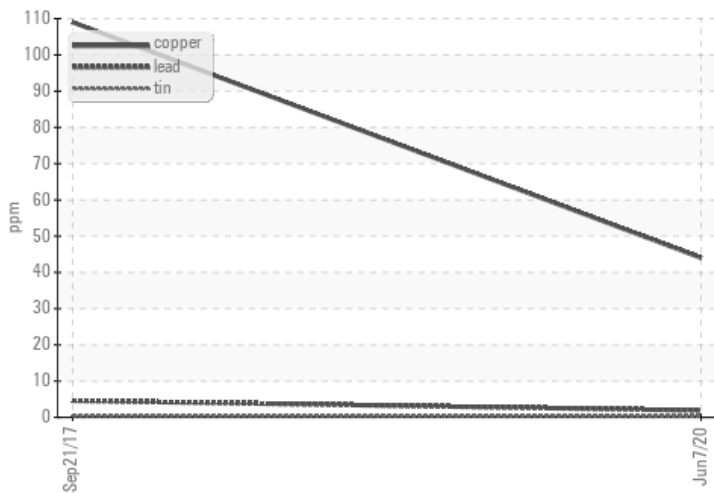


## GRAPHS

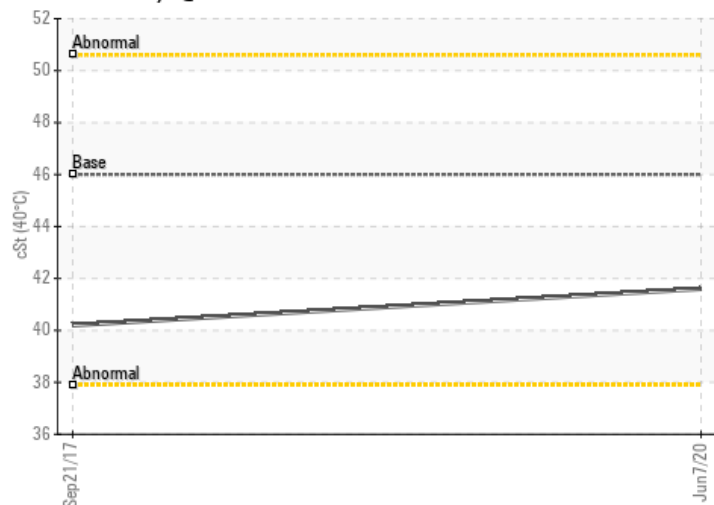
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Filter (Magn: 100 x)

