



# CONSTRUCTION EQUIPMENT

## RG ST-LAURENT VOLVO EC480E 314344 - HYDRAULIC SYSTEM



**Sample No:** VCP380480  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP380480</b>	VCP347345	VCP394876	VCP394887
Sample Date	<b>08 Aug 2023</b>	08 Aug 2023	11 Jul 2023	11 Jul 2023
Machine Hours	<b>0</b>	0	0	0
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

### STRONGCO INC

1575 RUE BERSIMIS  
 CHICOUTIMI, QC  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.6</b>	45.0	43.2	43.0
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### CONTAMINATION

Particles >4µm	<b>15970</b>	33230	▲ 85723	27321
Particles >6µm	<b>2136</b>	1291	▲ 12532	2207
Particles >14µm	<b>67</b>	17	135	106
ISO 4406:1999 (c)	<b>21/18/13</b>	22/17/11	24/21/14	22/18/14
Silicon	ppm	<b>7</b>	1	5
Sodium	ppm	<b>&lt;1</b>	<1	<1
Potassium	ppm	<b>1</b>	<1	1

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.



### WEAR METALS

Iron	ppm	<b>3</b>	3	8	4
Copper	ppm	<b>23</b>	2	31	30
Lead	ppm	<b>1</b>	0	2	2
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>111</b>	53	83	75
Magnesium	ppm	<b>&lt;1</b>	0	<1	<1
Zinc	ppm	<b>680</b>	448	617	613
Phosphorus	ppm	<b>594</b>	380	564	566
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>&lt;1</b>	<1	<1	<1

**Depot:** VOLVO0230  
**Unique No:** 5619931  
**Signed:** Kevin Marson  
**Report Date:** 10 Aug 2023

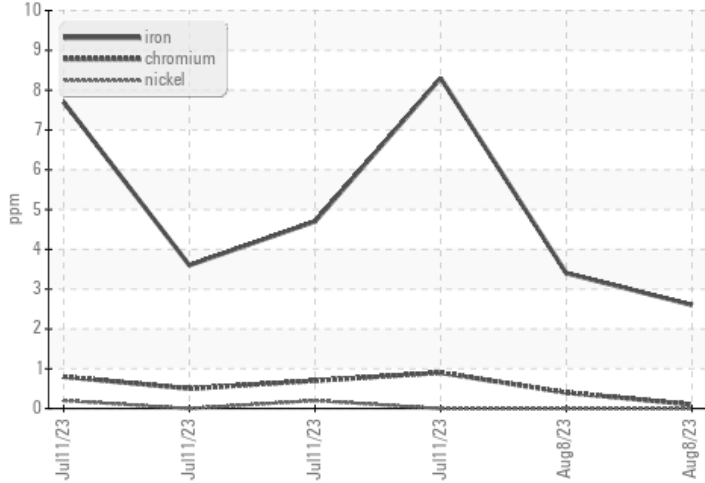


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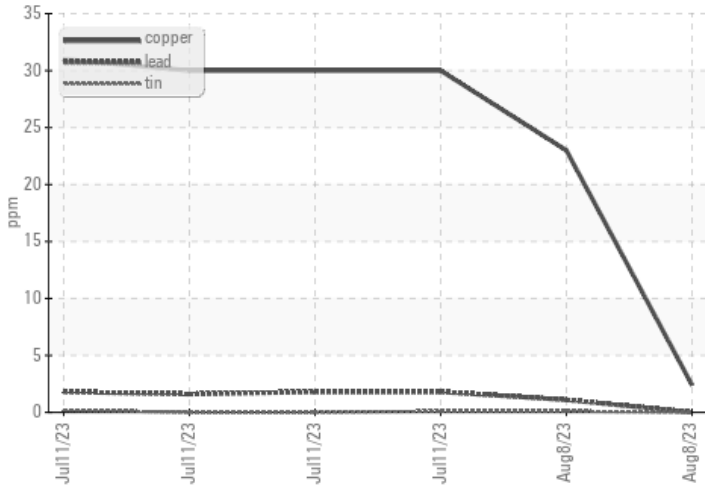


## VOLVO GRAPHS

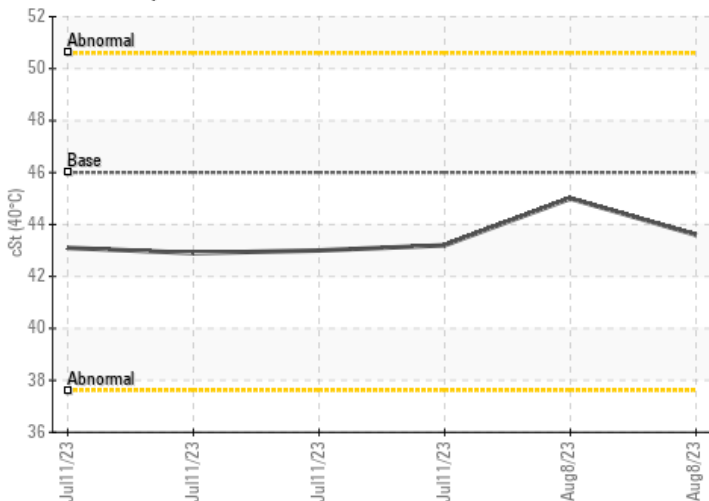
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

