



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 31189 - HYDRAULIC SYSTEM



**Sample No:** VCP393058

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP393058</b>	VCP353059	VCP353061	VCP272812
Sample Date	<b>10 Jan 2024</b>	01 Feb 2023	01 Feb 2023	12 Jan 2022
Machine Hours	<b>4904</b>	4089	4089	3041
Oil Hours	<b>4904</b>	4089	4089	3040
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

### EXCAVATION MCBM INC

1383 ROUTE 122  
ST-EDMOND- DE-GRANTHAM, QC  
CA J0C 1K0

Contact: Denis Foegues  
denis.forgues@mcbm.ca

T: (819)395-2015

F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	43.1	43.5	43.9
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	0.037
Particles >4µm		<b>4629</b>	130694	14450	11459
Particles >6µm		<b>105</b>	59313	1279	1359
Particles >14µm		<b>9</b>	5680	45	107
ISO 4406:1999 (c)		<b>19/14/10</b>	24/23/20	21/17/13	21/18/14
Silicon	ppm	<b>1</b>	3	1	<1
Sodium	ppm	<b>&lt;1</b>	1	<1	<1
Potassium	ppm	<b>&lt;1</b>	0	<1	<1

### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. 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. L'état de l'huile est acceptable pour la durée de service.



### WEAR METALS

PQ		---	0	---	---
Iron	ppm	<b>3</b>	26	3	4
Copper	ppm	<b>29</b>	30	30	29
Lead	ppm	<b>1</b>	1	1	1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	1	<1	<1
Chromium	ppm	<b>2</b>	1	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>42</b>	72	52	66
Magnesium	ppm	<b>2</b>	2	2	0
Zinc	ppm	<b>401</b>	446	456	537
Phosphorus	ppm	<b>489</b>	549	576	547
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>0</b>	1	<1	<1

**Depot:** EXC138STE

**Unique No:** 5709833

**Signed:** Wes Davis

**Report Date:** 16 Jan 2024

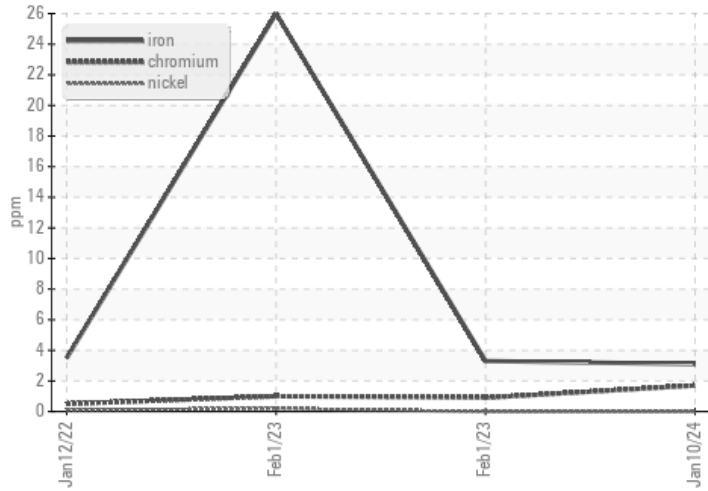


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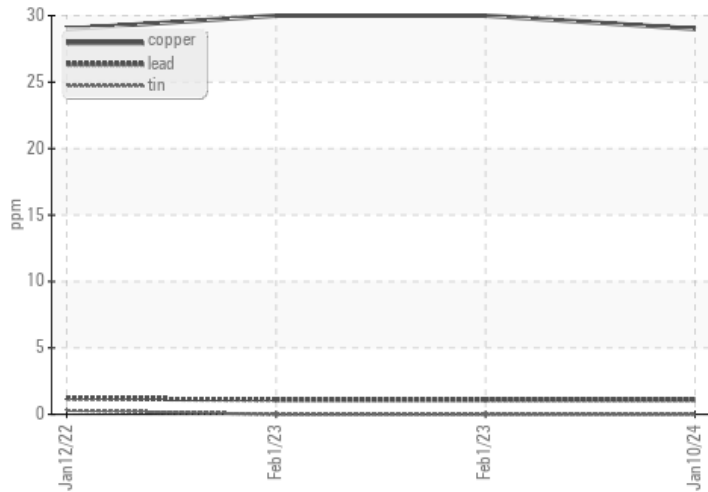


## GRAPHS

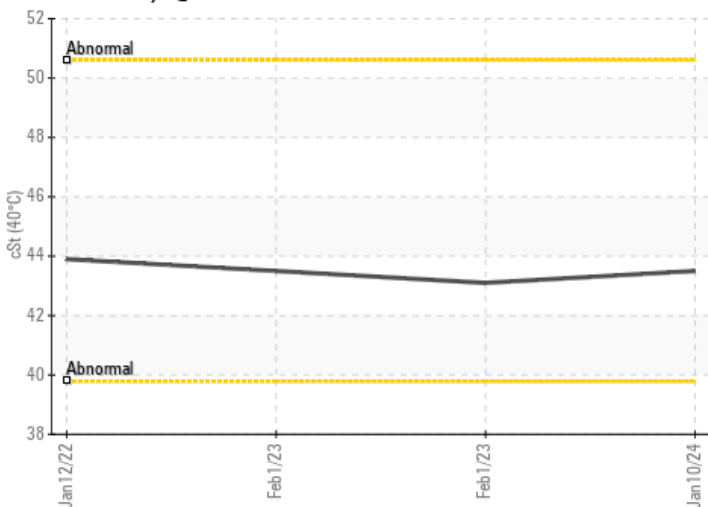
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

