



# CONSTRUCTION EQUIPMENT

338335 16-8008 - HYDRAULIC SYSTEM



**Sample No:** VCP394113  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 338335



## SAMPLE INFORMATION

Sample Number	<b>VCP394113</b>	VCP394711	VCP353067	VCP333794
Sample Date	<b>19 Dec 2023</b>	15 Jul 2023	20 Nov 2022	30 Jun 2022
Machine Hours	<b>11006</b>	10000	9077	8218
Oil Hours	<b>3000</b>	2000	1000	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

**CRH CANADA GROUP INC.**  
P.O. BOX 5400  
CONCORD, ON  
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Contact: Dan Brown  
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T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	█ <b>38.5</b>	█ 39.2	█ 41.4	█ 39.4
Visc @ 100°C	cSt	█ <b>6.8</b>	---	---	---
Viscosity Index (VI)	Scale	█ <b>135</b>	---	---	---

## 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 system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>2295</b>	859	5305	11407
Particles >6µm		█ <b>679</b>	█ 188	█ 1394	▲ 2891
Particles >14µm		█ <b>51</b>	█ 15	█ 77	▲ 107
ISO 4406:1999 (c)		<b>18/17/13</b>	17/15/11	20/18/13	21/19/14
Silicon	ppm	█ <b>2</b>	█ 2	█ 2	█ 3
Sodium	ppm	█ <b>2</b>	█ 2	█ 2	█ 3
Potassium	ppm	█ <b>0</b>	█ <1	█ 0	█ <1

## WEAR METALS

Iron	ppm	█ <b>6</b>	█ 5	█ 4	█ 8
Copper	ppm	█ <b>2</b>	█ 2	█ 1	█ 3
Lead	ppm	█ <b>&lt;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>2</b>	█ 2	█ 1	█ 3
Molybdenum	ppm	█ <b>0</b>	█ <1	█ 0	█ <1
Nickel	ppm	█ <b>&lt;1</b>	█ 0	█ 0	█ 0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	█ <b>0</b>	█ 0	█ 0	█ <1
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	█ <b>59</b>	█ 56	█ 60	█ 88
Magnesium	ppm	█ <b>6</b>	█ 5	█ 6	█ 14
Zinc	ppm	█ <b>410</b>	█ 412	█ 432	█ 438
Phosphorus	ppm	█ <b>330</b>	█ 347	█ 372	█ 367
Barium	ppm	█ <b>0</b>	█ 0	█ 0	█ 0
Boron	ppm	█ <b>&lt;1</b>	█ <1	█ <1	█ 1

**Depot:** HOLCON  
**Unique No:** 5707049  
**Signed:** Wes Davis  
**Report Date:** 03 Jan 2024

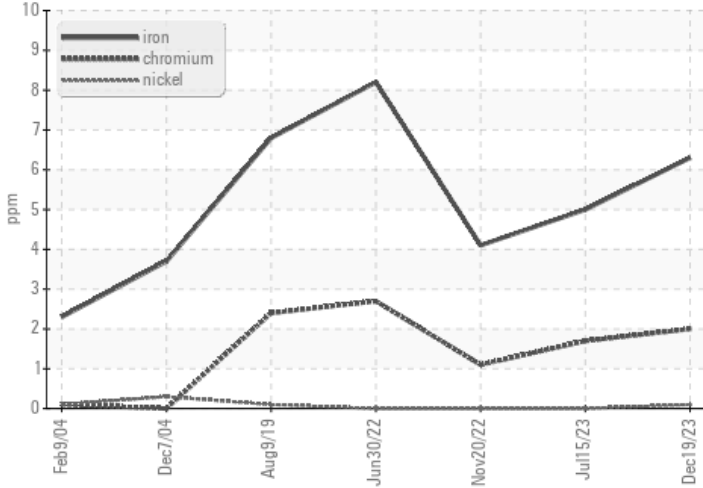


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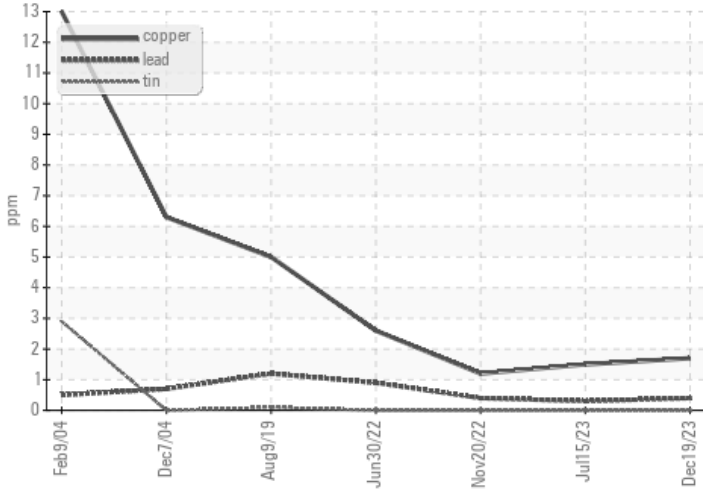


## GRAPHS

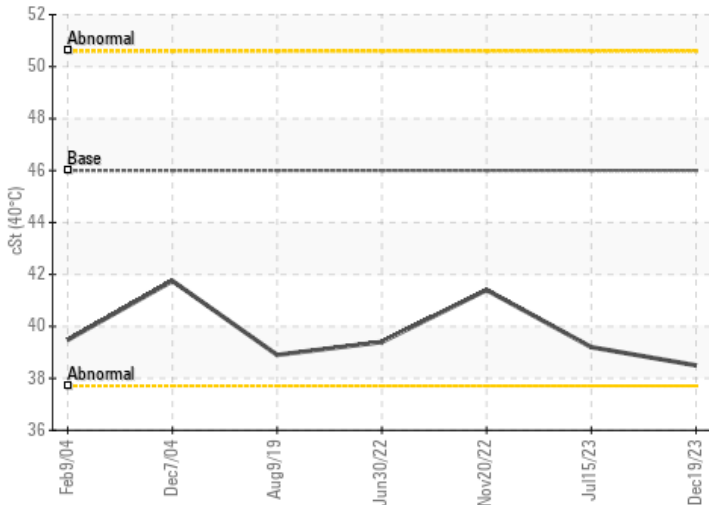
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

