



# CONSTRUCTION EQUIPMENT

## 371812 16-8008 - HYDRAULIC SYSTEM



**Sample No:** VCP394711  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 371812



### SAMPLE INFORMATION

Sample Number	<b>VCP394711</b>	VCP353067	VCP333794	VCP242727
Sample Date	<b>15 Jul 2023</b>	20 Nov 2022	30 Jun 2022	09 Aug 2019
Machine Hours	<b>10000</b>	9077	8218	4100
Oil Hours	<b>2000</b>	1000	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL

### CRH CANADA GROUP INC.

P.O. BOX 5400  
 CONCORD, ON  
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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>39.2</b>	41.4	39.4	38.9
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### CONTAMINATION

Particles >4µm		<b>859</b>	5305	11407	11379
Particles >6µm		<b>188</b>	1394	2891	856
Particles >14µm		<b>15</b>	77	107	44
ISO 4406:1999 (c)		<b>17/15/11</b>	20/18/13	21/19/14	21/17/13
Silicon	ppm	<b>2</b>	2	3	1
Sodium	ppm	<b>2</b>	2	3	<1
Potassium	ppm	<b>&lt;1</b>	0	<1	<1

### 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.



### WEAR METALS

Iron	ppm	<b>5</b>	4	8	7
Copper	ppm	<b>2</b>	1	3	5
Lead	ppm	<b>&lt;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	3	2
Molybdenum	ppm	<b>&lt;1</b>	0	<1	0
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>56</b>	60	88	56
Magnesium	ppm	<b>5</b>	6	14	<1
Zinc	ppm	<b>412</b>	432	438	467
Phosphorus	ppm	<b>347</b>	372	367	362
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>&lt;1</b>	<1	1	<1

**Depot:** HOLCON  
**Unique No:** 5616307  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023

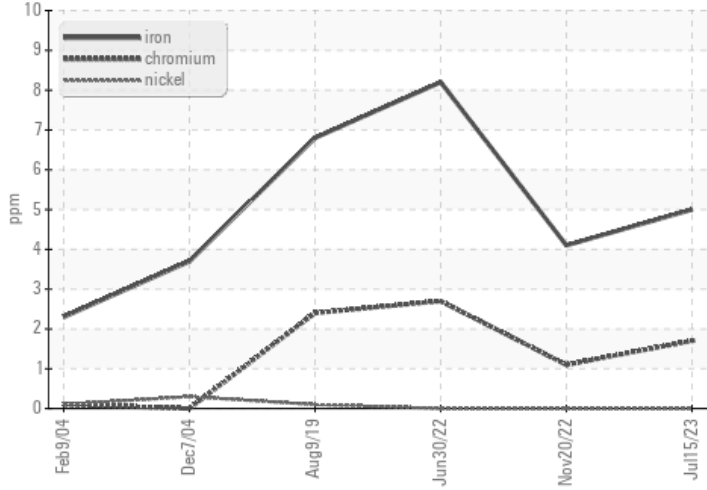


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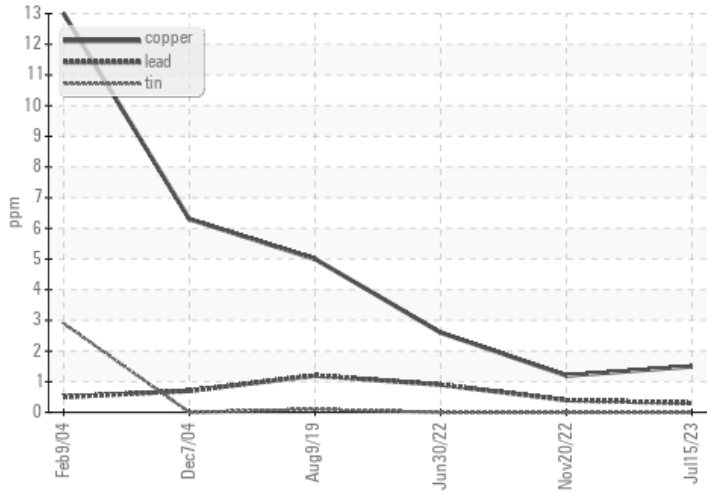


## VOLVO GRAPHS

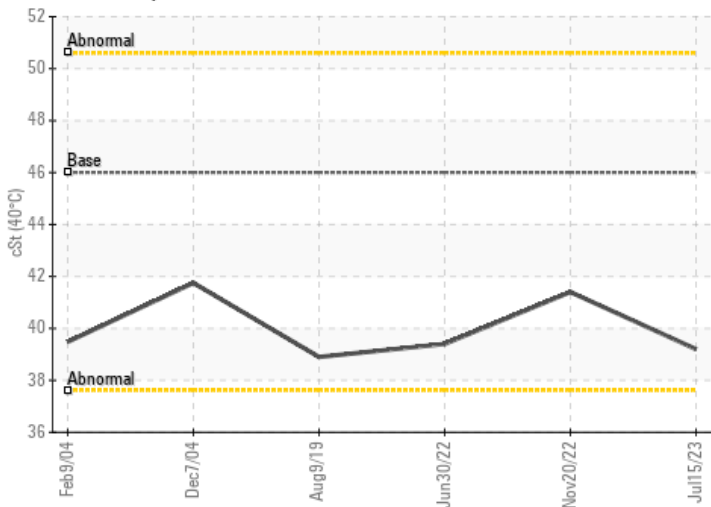
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

