



# CONSTRUCTION EQUIPMENT

## 231274 VOLVO L90H 623902 - HYDRAULIC SYSTEM



**Sample No:** VCP260722  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 231274



### SAMPLE INFORMATION

Sample Number	<b>VCP260722</b>	VCP222902	---	---
Sample Date	<b>18 Feb 2020</b>	16 Oct 2018	---	---
Machine Hours	<b>4300</b>	2185	---	---
Oil Hours	<b>0</b>	2000	---	---
Oil Changed	<b>Changed</b>	N/A	---	---
Sample Status	<b>NORMAL</b>	ABNORMAL	---	---

### STRONGCO EQUIPMENT-EDMONTON

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 CA T7X 6C2

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.7</b>	▲ 41.0	---	---
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### CONTAMINATION

Particles >4µm		<b>7118</b>	6261	---	---
Particles >6µm		<b>530</b>	1802	---	---
Particles >14µm		<b>34</b>	▲ 100	---	---
ISO 4406:1999 (c)		<b>20/16/12</b>	20/18/14	---	---
Silicon	ppm	<b>3</b>	2	---	---
Sodium	ppm	<b>0</b>	<1	---	---
Potassium	ppm	<b>&lt;1</b>	<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>2</b>	2	---	---
Copper	ppm	<b>2</b>	4	---	---
Lead	ppm	<b>&lt;1</b>	1	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	0	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>52</b>	50	---	---
Magnesium	ppm	<b>&lt;1</b>	<1	---	---
Zinc	ppm	<b>440</b>	430	---	---
Phosphorus	ppm	<b>342</b>	321	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>&lt;1</b>	0	---	---

**Depot:** VOLVO3908  
**Unique No:** 5006999  
**Signed:** Wes Davis  
**Report Date:** 25 Feb 2020

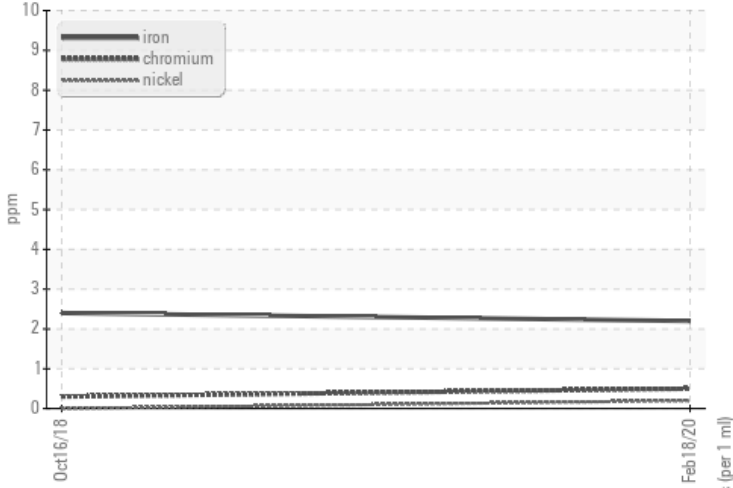


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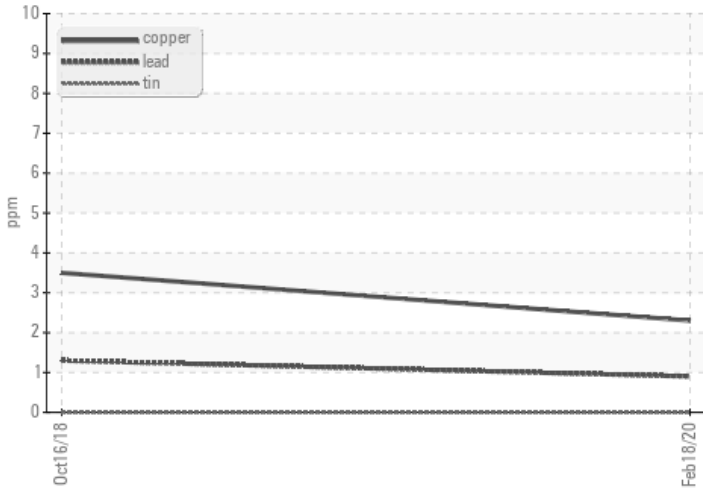


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

