



# CONSTRUCTION EQUIPMENT

## A08753 VOLVO L70H 622154 - HYDRAULIC SYSTEM



**Sample No:** VCP378612  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A08753



### SAMPLE INFORMATION

Sample Number	<b>VCP378612</b>	VCP287270	VCP238462	---
Sample Date	<b>09 Sep 2022</b>	05 Nov 2020	25 Jan 2019	---
Machine Hours	<b>3290</b>	2160	1080	---
Oil Hours	<b>3290</b>	2160	1080	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	ABNORMAL	ATTENTION	---

**K C CONSTRUCTION**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.0</b>	41.1	41.97	---
Acid Number (AN)	mg KOH/g	<b>0.36</b>	0.342	0.376	---

### CONTAMINATION

Particles >4µm		<b>4981</b>	49317	9560	---
Particles >6µm		<b>749</b>	13966	891	---
Particles >14µm		<b>23</b>	760	27	---
ISO 4406:1999 (c)		<b>19/17/12</b>	23/21/17	20/17/12	---
Silicon	ppm	<b>12</b>	10	12	---
Sodium	ppm	<b>0</b>	<1	<1	---
Potassium	ppm	<b>2</b>	<1	0	---

### 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>6</b>	4	3	---
Copper	ppm	<b>4</b>	3	2	---
Lead	ppm	<b>3</b>	2	2	---
Tin	ppm	<b>&lt;1</b>	<1	0	---
Aluminum	ppm	<b>3</b>	0	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	0	<1	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>149</b>	146	69	---
Magnesium	ppm	<b>1</b>	<1	<1	---
Zinc	ppm	<b>455</b>	422	431	---
Phosphorus	ppm	<b>344</b>	338	332	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	<1	<1	---

**Depot:** KCCIVY  
**Unique No:** 10136677  
**Signed:** Wes Davis  
**Report Date:** 16 Sep 2022

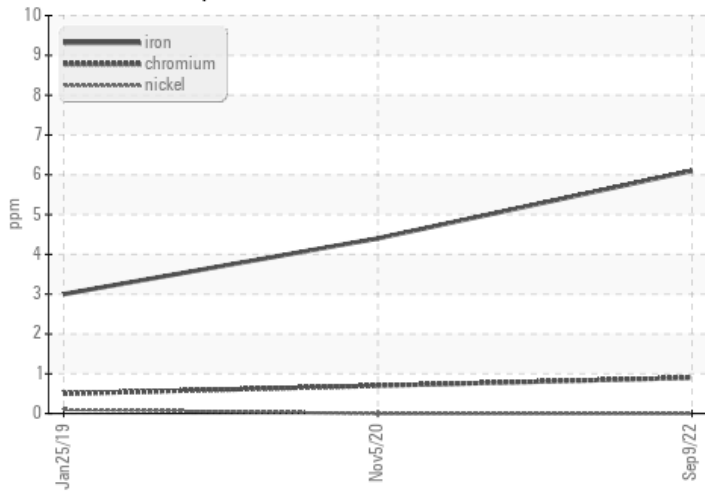


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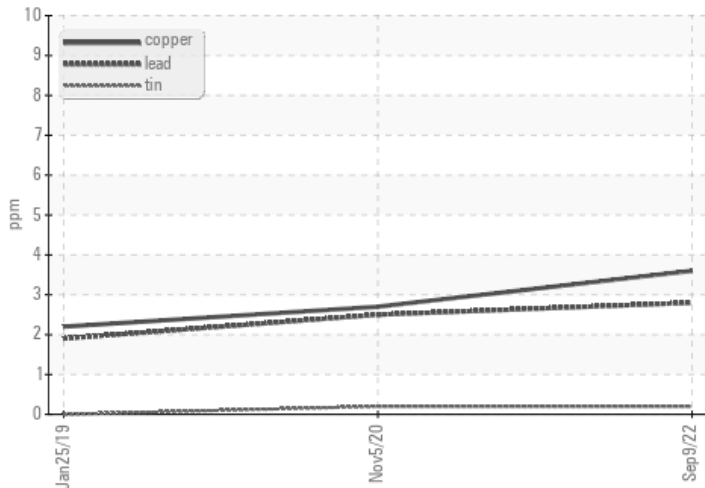


## GRAPHS

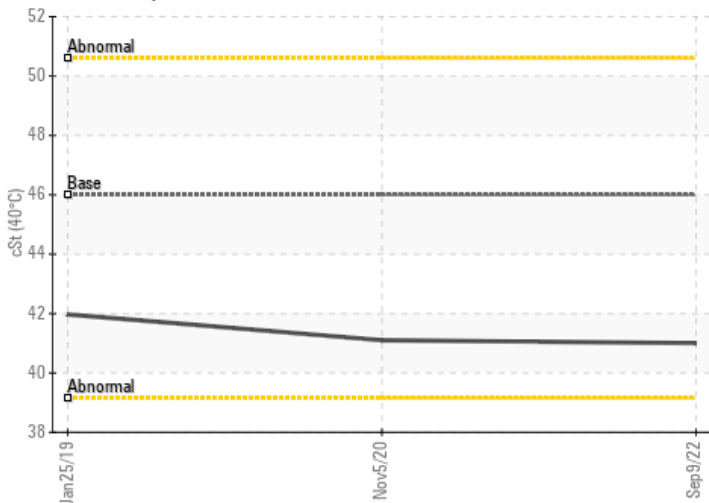
### Ferrous Alloys



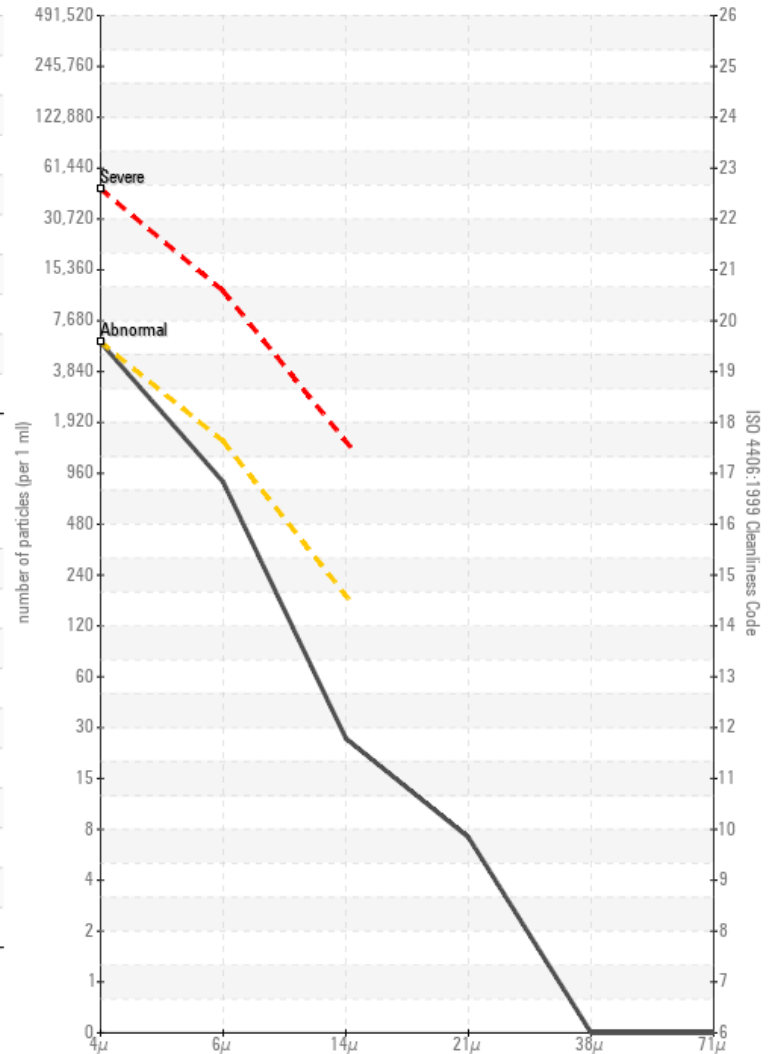
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

