



# CONSTRUCTION EQUIPMENT

## S630 IAA RANCHO CORD VOLVO L90H 625096 - HYDRAULIC SYSTEM



**Sample No:** VCP425900  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** S630 IAA RANCHO CORD



### SAMPLE INFORMATION

Sample Number	<b>VCP425900</b>	VCP357204	VCP282445	VCP270265
Sample Date	<b>06 Jul 2023</b>	30 Mar 2022	19 Mar 2021	20 May 2020
Machine Hours	<b>8707</b>	6435	4056	2027
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL

### VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD  
 SACRAMENTO, CA  
 US 95826

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.0</b>	43.2	43.0	45.5
Acid Number (AN)	mg KOH/g	<b>0.24</b>	0.21	0.230	0.231



### CONTAMINATION

Particles >4µm		<b>1406</b>	3951	3070	5198
Particles >6µm		<b>330</b>	711	908	653
Particles >14µm		<b>20</b>	54	▲ 87	24
ISO 4406:1999 (c)		<b>18/16/11</b>	19/17/13	19/17/14	20/17/12
Silicon	ppm	<b>3</b>	4	5	4
Sodium	ppm	<b>1</b>	2	0	<1
Potassium	ppm	<b>0</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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>10</b>	11	8	6
Copper	ppm	<b>1</b>	2	2	2
Lead	ppm	<b>0</b>	<1	1	1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	1	0	<1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>73</b>	69	76	116
Magnesium	ppm	<b>4</b>	0	1	3
Zinc	ppm	<b>417</b>	399	437	441
Phosphorus	ppm	<b>327</b>	383	327	324
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	<1	2	2

**Depot:** VOLVO4485  
**Unique No:** 10550157  
**Signed:** Wes Davis  
**Report Date:** 11 Jul 2023

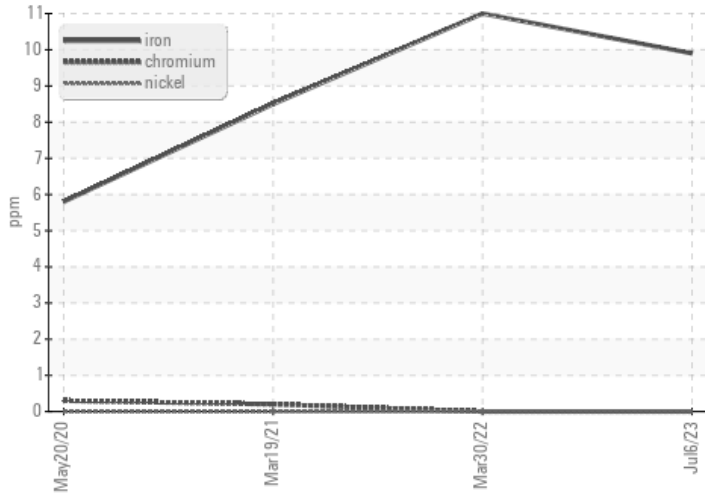


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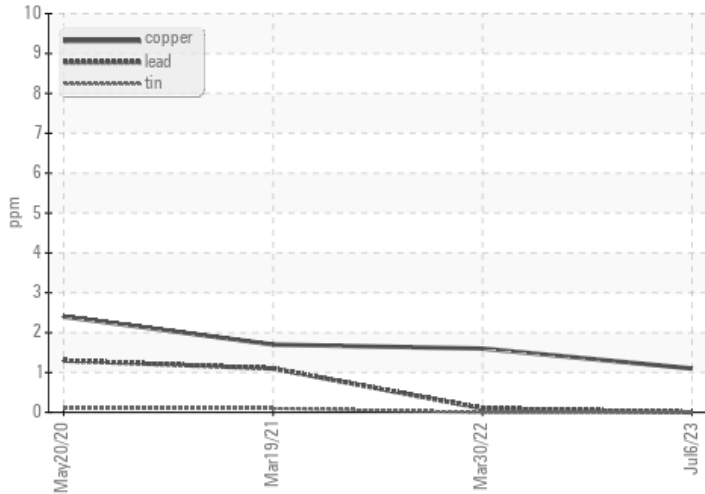


## GRAPHS

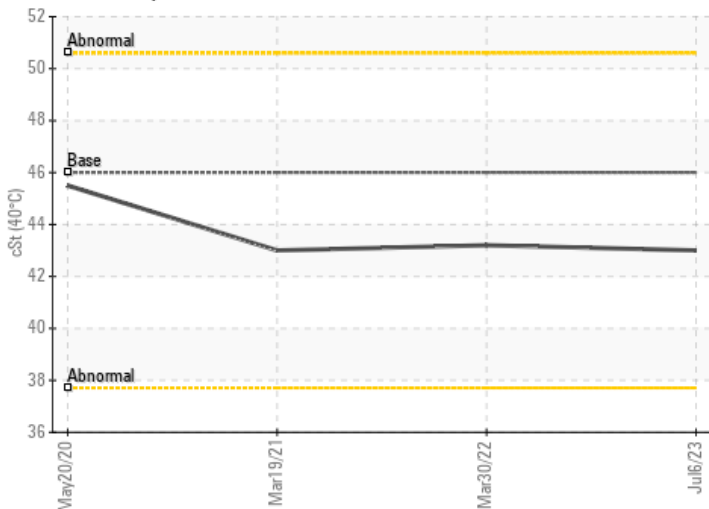
### Ferrous Alloys



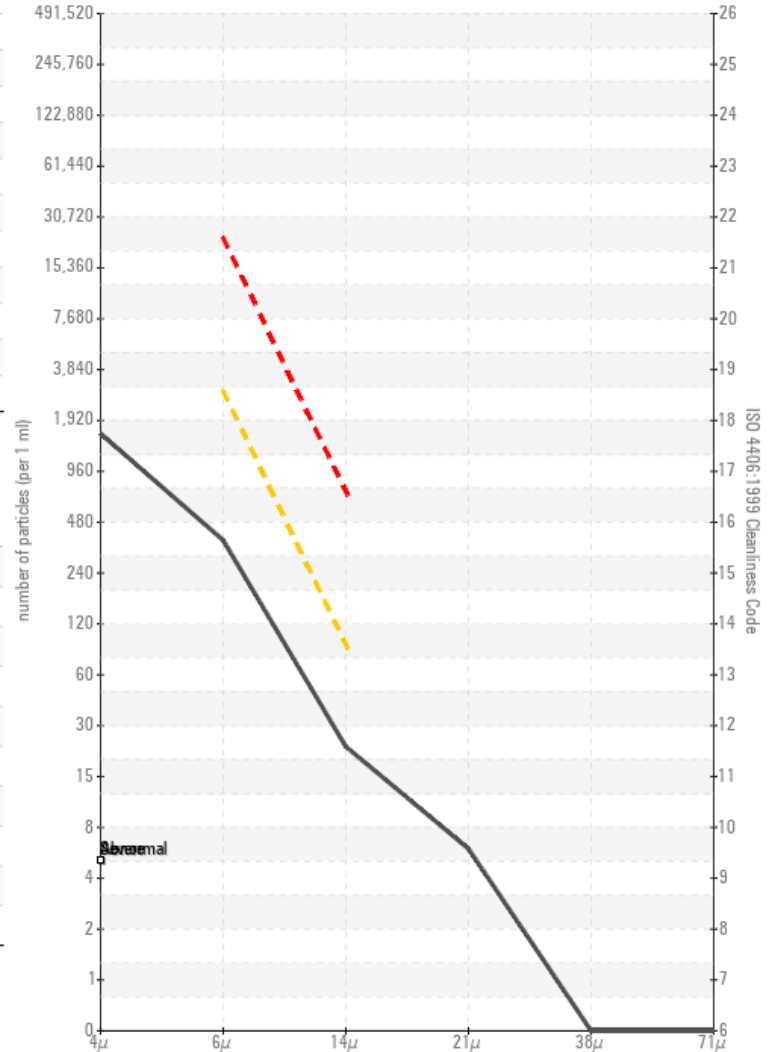
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

