



# CONSTRUCTION EQUIPMENT

621896 ALTA RENTS VOLVO EC480E 315143 - HYDRAULIC SYSTEM



**Sample No:** VCP432305  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 621896 ALTA RENTS



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## SAMPLE INFORMATION

Sample Number	<b>VCP432305</b>	VCP413433	VCP411692	---
Sample Date	<b>31 Oct 2023</b>	15 Aug 2023	07 Jun 2023	---
Machine Hours	<b>1550</b>	1031	587	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	43.1	43.4	---
Acid Number (AN)	mg KOH/g	<b>0.54</b>	0.50	0.48	---



## CONTAMINATION

Particles >4µm		<b>130666</b>	14340	17229	---
Particles >6µm		<b>39313</b>	2019	3992	---
Particles >14µm		<b>3021</b>	63	180	---
ISO 4406:1999 (c)		<b>24/22/19</b>	21/18/13	21/19/15	---
Silicon	ppm	<b>6</b>	4	2	---
Sodium	ppm	<b>0</b>	<1	1	---
Potassium	ppm	<b>2</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>3</b>	1	<1	---
Copper	ppm	<b>14</b>	6	4	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	0	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>0</b>	0	<1	---
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	0	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>114</b>	110	123	---
Magnesium	ppm	<b>&lt;1</b>	0	0	---
Zinc	ppm	<b>533</b>	507	593	---
Phosphorus	ppm	<b>389</b>	408	453	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

## Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO0096  
**Unique No:** 10724990  
**Signed:** Don Baldrige  
**Report Date:** 04 Nov 2023

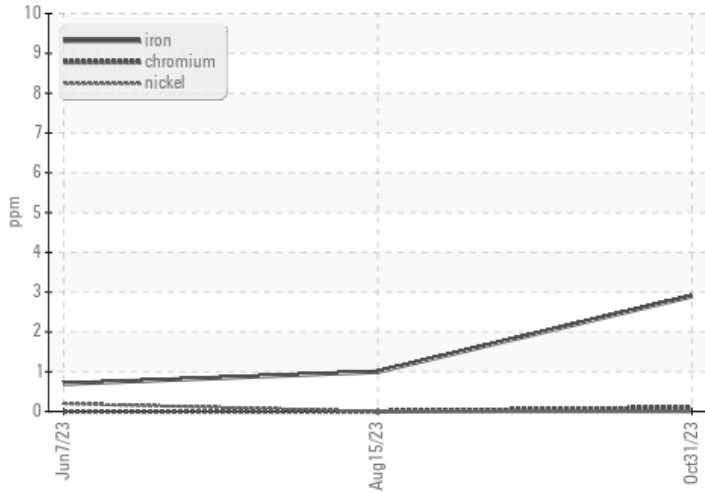


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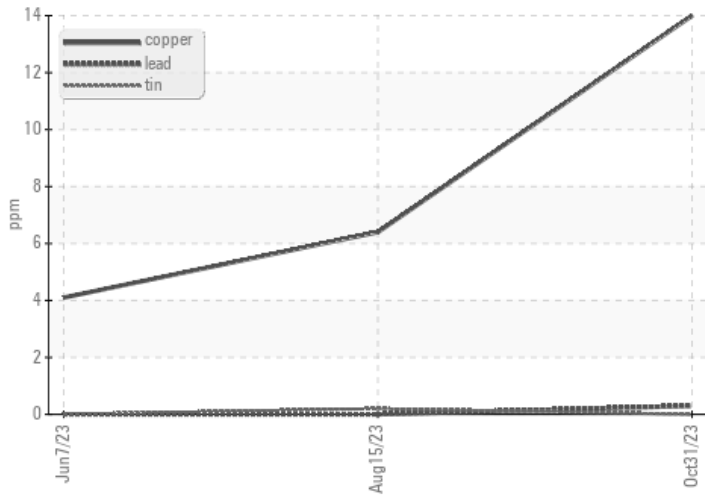


## GRAPHS

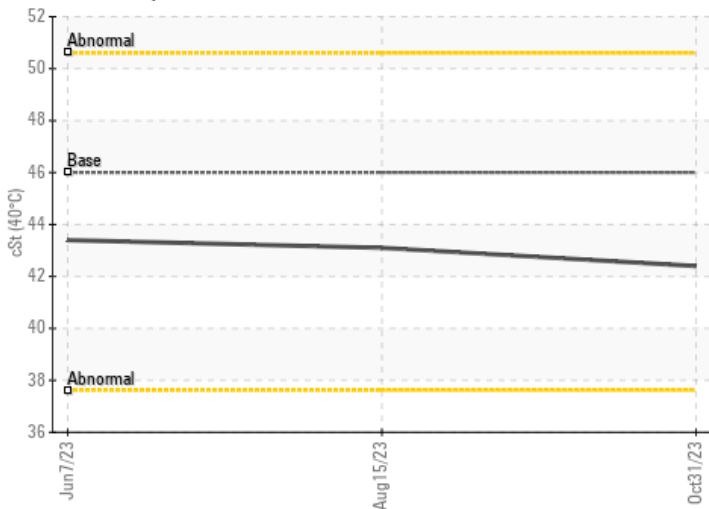
### Ferrous Alloys



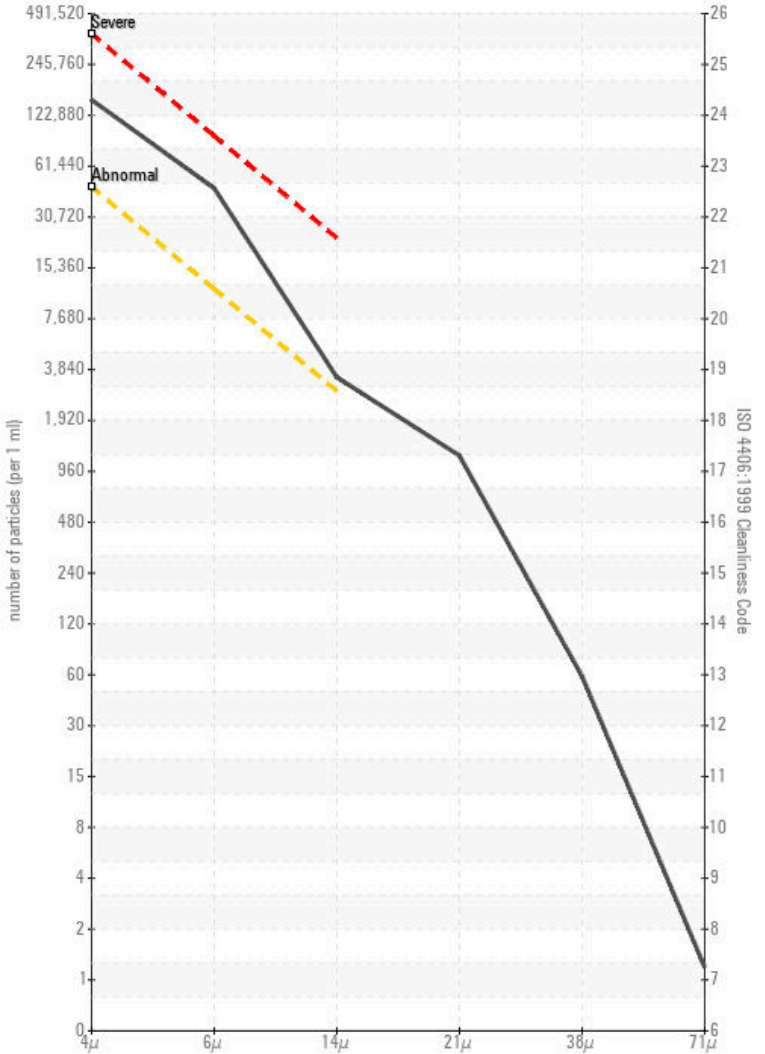
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

