



# CONSTRUCTION EQUIPMENT

619747 GREGCO RECYC VOLVO L959FSDL 640022 - HYDRAULIC SYSTEM



**Sample No:** VCP429251  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 619747 GREGCO RECYC



## SAMPLE INFORMATION

Sample Number	<b>VCP429251</b>	VCP313598	---	---
Sample Date	<b>10 Oct 2023</b>	20 Oct 2021	---	---
Machine Hours	<b>3951</b>	1550	---	---
Oil Hours	<b>2000</b>	1500	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>43.9</b>	42.4	---	---
Acid Number (AN)	mg KOH/g	<b>0.19</b>	0.304	---	---



## CONTAMINATION

Particles >4µm		<b>▲ 6450</b>	▲ 48055	---	---
Particles >6µm		<b>■ 1163</b>	▲ 15735	---	---
Particles >14µm		<b>■ 48</b>	▲ 1258	---	---
ISO 4406:1999 (c)		<b>20/17/13</b>	23/21/17	---	---
Silicon	ppm	<b>■ 1</b>	2	---	---
Sodium	ppm	<b>■ &lt;1</b>	<1	---	---
Potassium	ppm	<b>■ &lt;1</b>	0	---	---

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	<b>■ 125</b>	92	---	---
Magnesium	ppm	<b>■ 12</b>	0	---	---
Zinc	ppm	<b>■ 496</b>	464	---	---
Phosphorus	ppm	<b>■ 389</b>	367	---	---
Barium	ppm	<b>■ 0</b>	0	---	---
Boron	ppm	<b>■ 2</b>	2	---	---

**Depot:** VOLVO0093  
**Unique No:** 10742031  
**Signed:** Wes Davis  
**Report Date:** 16 Nov 2023

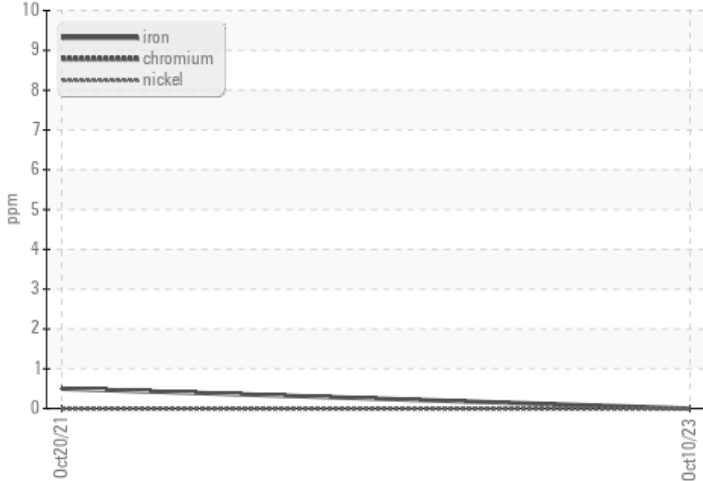


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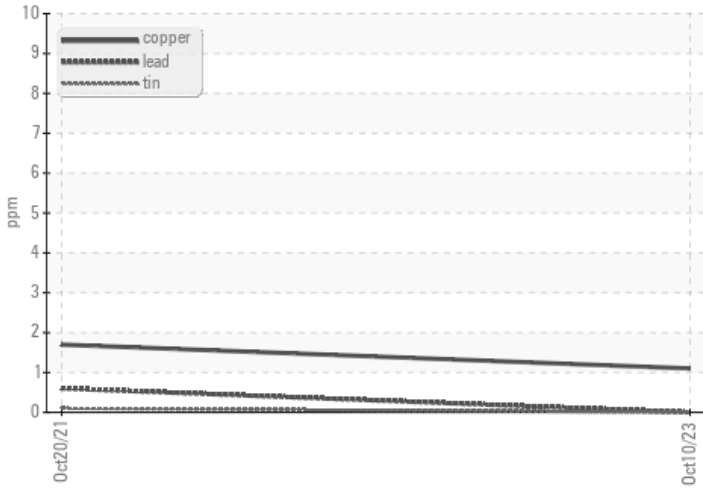


## VOLVO GRAPHS

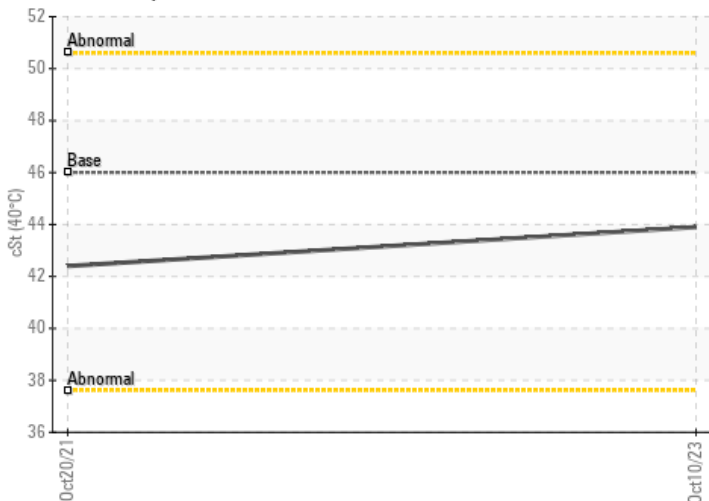
### Ferrous Alloys



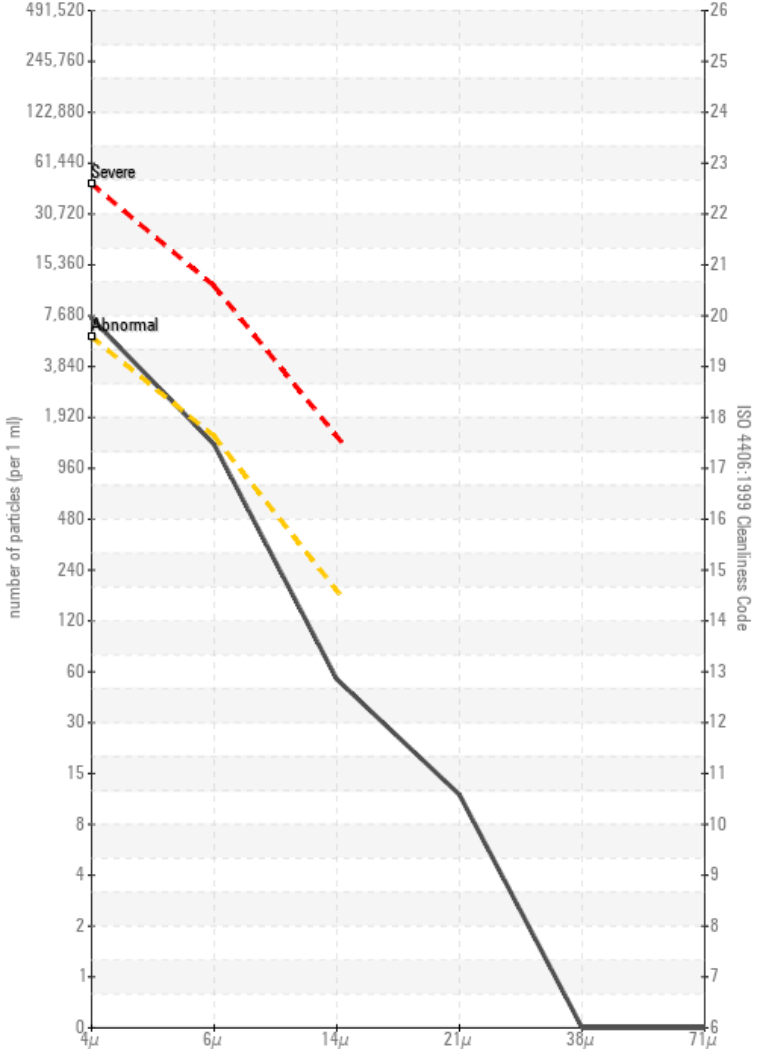
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

