



# CONSTRUCTION EQUIPMENT

## F03053 REPUBLIC SVCS VOLVO EC250E 310073 - HYDRAULIC SYSTEM



**Sample No:** VCP443101  
**Oil Type:** AW HYDRAULIC OIL ISO 32  
**Job No:** F03053 REPUBLIC SVCS



**CHADWICK-BAROSS INC**  
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### SAMPLE INFORMATION

Sample Number	VCP443101	---	---	---
Sample Date	28 Feb 2024	---	---	---
Machine Hours	14175	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	█ 33.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.54	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 174078	---	---	---
Particles >6µm		▲ 18179	---	---	---
Particles >14µm		█ 782	---	---	---
ISO 4406:1999 (c)		25/21/17	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

Iron	ppm	▲ 56	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	▲ 96	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 71	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 452	---	---	---
Phosphorus	ppm	█ 369	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

### Diagnosis

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron and chrome levels are severe. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid.

**Depot:** CHAWESRI  
**Unique No:** 10909491  
**Signed:** Don Baldrige  
**Report Date:** 05 Mar 2024

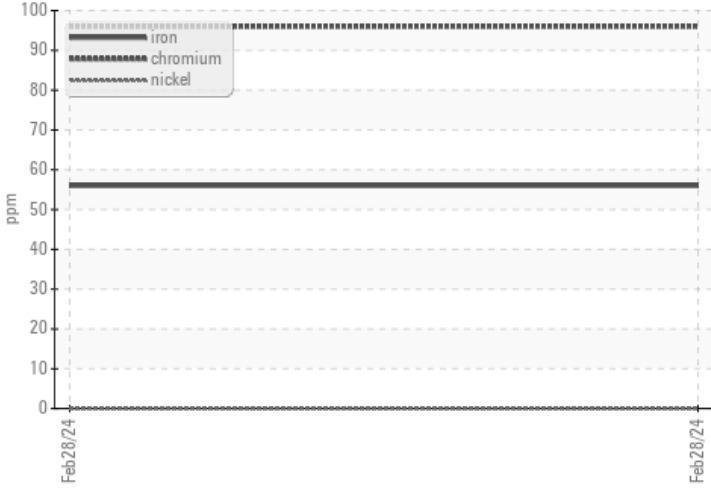


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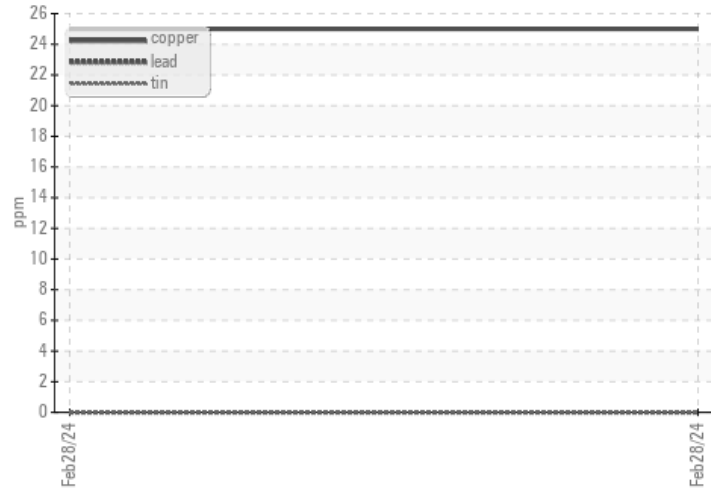


## GRAPHS

### ▲ Ferrous Alloys



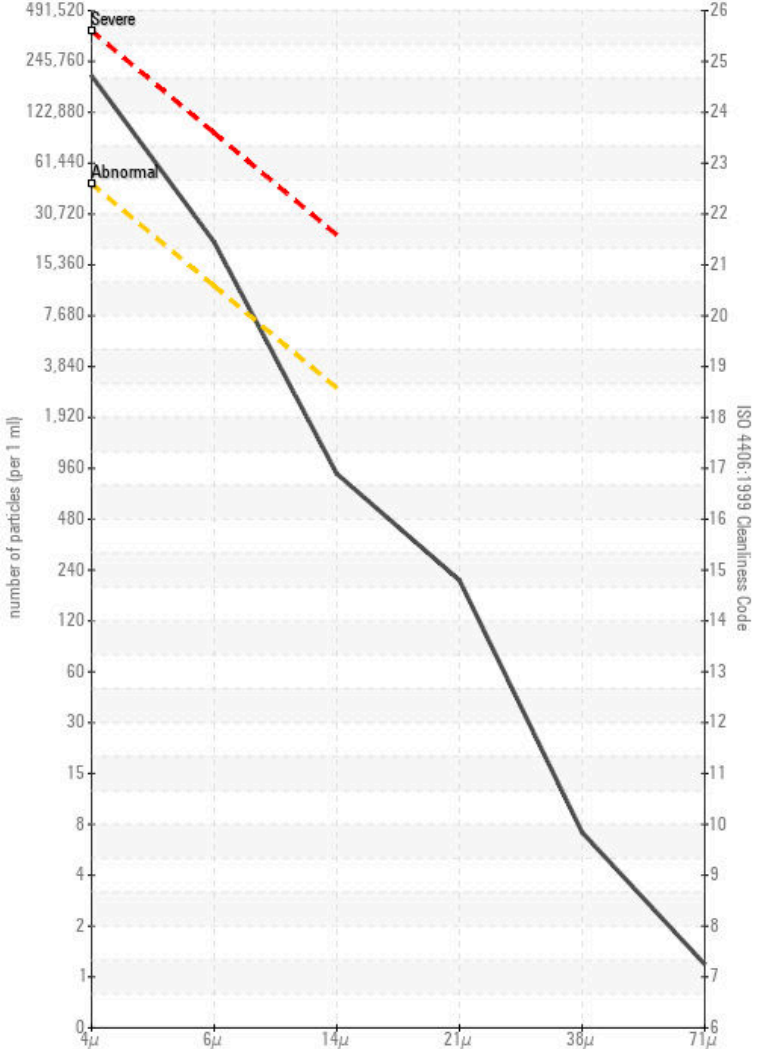
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

