



# CONSTRUCTION EQUIPMENT

SWA576978-20 RENSSSEL GRADALL X13100IV 3120000276 - HYDRAULIC SYSTEM



**Sample No:** VCP429949  
**Oil Type:** {unknown}  
**Job No:** SWA576978-20 RENSSSEL



## SAMPLE INFORMATION

Sample Number	VCP429949	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	2493	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
SYRACUSE, NY  
US 13206  
Contact: CHRIS MARINO  
chris.marino@altg.com  
T:  
F: (315)437-8558



## OIL CONDITION

Visc @ 40°C	cSt	■ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.82	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 102253	---	---	---
Particles >6µm		▲ 25259	---	---	---
Particles >14µm		▲ 783	---	---	---
ISO 4406:1999 (c)		24/22/17	---	---	---
Silicon	ppm	▲ 2544	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 12	---	---	---



## WEAR METALS

Iron	ppm	▲ 20	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	2690	---	---	---
Magnesium	ppm	49	---	---	---
Zinc	ppm	1165	---	---	---
Phosphorus	ppm	983	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	100	---	---	---

### Diagnosis

Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLV00142  
**Unique No:** 11071994  
**Signed:** Angela Borella  
**Report Date:** 12 Jun 2024

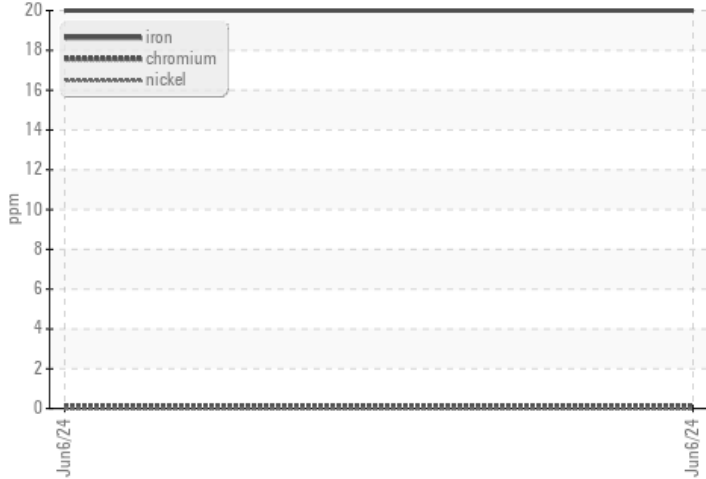


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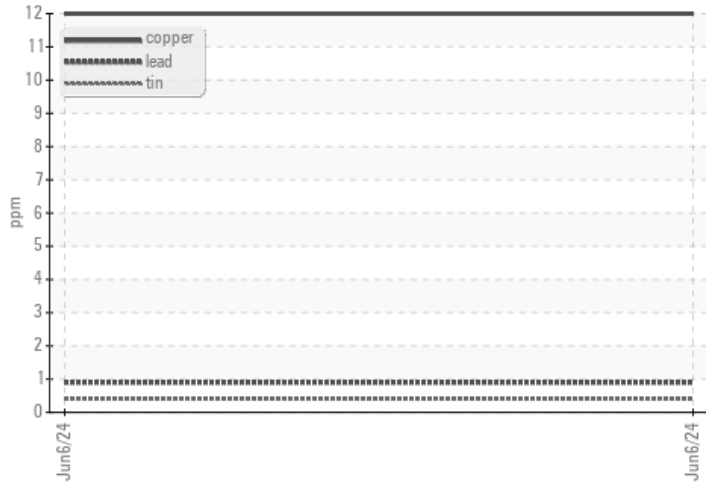


## VOLVO GRAPHS

### ▲ Ferrous Alloys



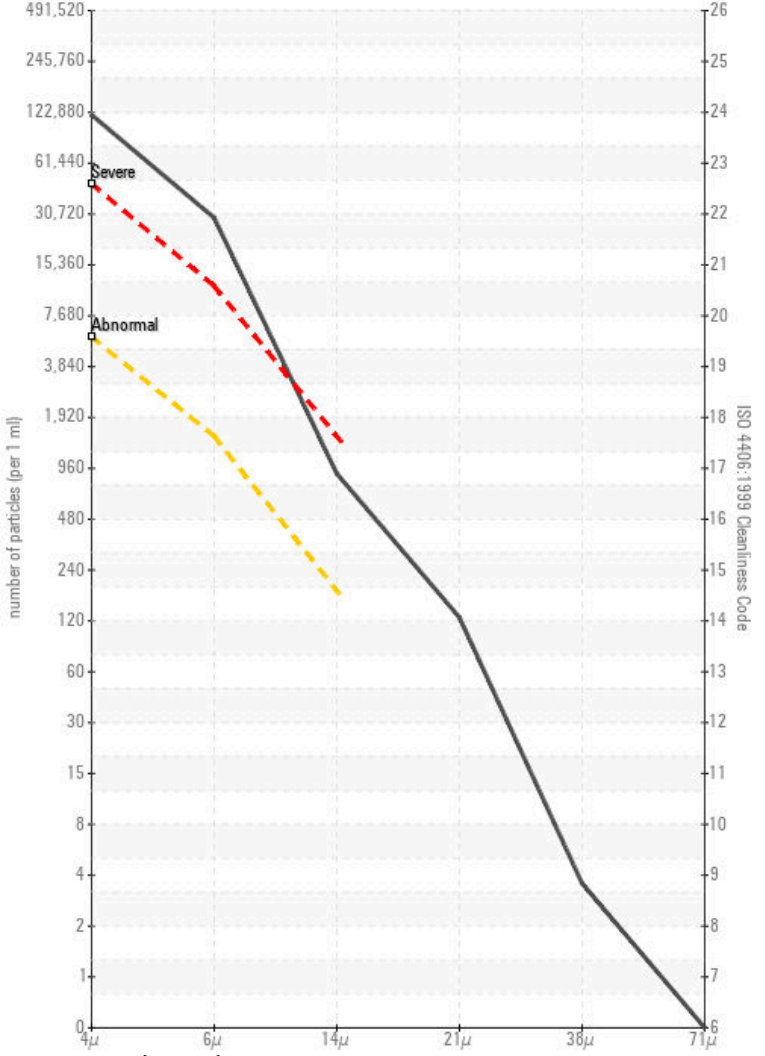
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

