



# CONSTRUCTION EQUIPMENT

## SWA491951 RENTAL VOLVO DD120C 288138 - HYDRAULIC SYSTEM



**Sample No:** VCP434388  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWA491951 RENTAL



### SAMPLE INFORMATION

Sample Number	VCP434388	VCP354142	---	---
Sample Date	26 Feb 2024	21 Apr 2022	---	---
Machine Hours	4350	2610	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	ABNORMAL	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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 JIM.STRIGLE@ALTG.COM  
 T: (315)437-2611  
 F: (315)434-9471



### OIL CONDITION

Visc @ 40°C	cSt	42.9	43.2	---	---
Acid Number (AN)	mg KOH/g	0.12	0.13	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		37057	38640	---	---
Particles >6µm		10264	7374	---	---
Particles >14µm		313	795	---	---
ISO 4406:1999 (c)		22/21/15	22/20/17	---	---
Silicon	ppm	<1	<1	---	---
Sodium	ppm	1	0	---	---
Potassium	ppm	0	0	---	---

### Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	8	7	---	---
Copper	ppm	10	10	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	104	104	---	---
Magnesium	ppm	2	1	---	---
Zinc	ppm	164	172	---	---
Phosphorus	ppm	376	448	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

**Depot:** VOLV00142  
**Unique No:** 10909498  
**Signed:** Wes Davis  
**Report Date:** 04 Mar 2024

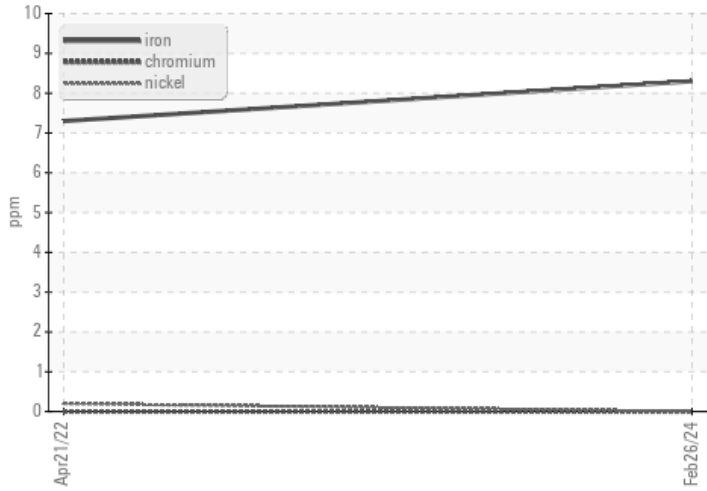


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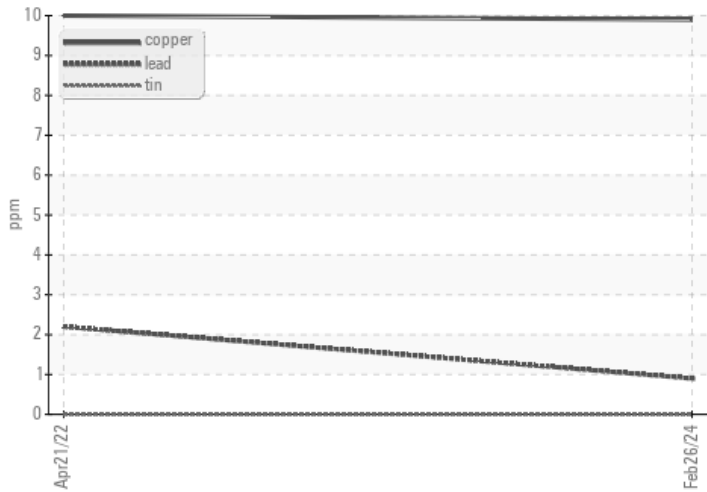


## VOLVO GRAPHS

### Ferrous Alloys



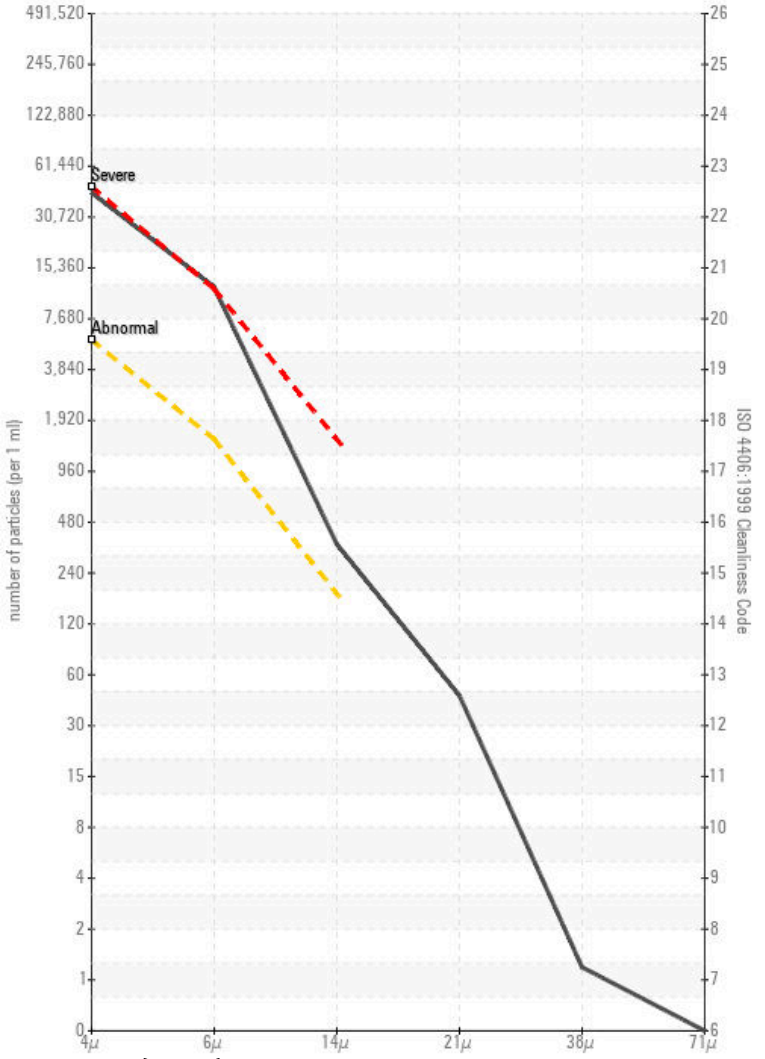
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

