



# CONSTRUCTION EQUIPMENT

## SWA491958 RENTAL VOLVO DD120C 288 141 - HYDRAULIC SYSTEM



**Sample No:** VCP376836  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWA491958 RENTAL



### SAMPLE INFORMATION

Sample Number	<b>VCP376836</b>	VCP368728	VCP320135	---
Sample Date	<b>23 Feb 2024</b>	31 Mar 2023	15 Sep 2021	---
Machine Hours	<b>2854</b>	1917	746	---
Oil Hours	<b>854</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	ABNORMAL	---

**ALTA EQUIPMENT**  
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 US 13206  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	43.7	44.7	---
Acid Number (AN)	mg KOH/g	<b>0.46</b>	0.10	0.109	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>5965</b>	86445	---	---
Particles >6µm		<b>1287</b>	12567	---	---
Particles >14µm		<b>124</b>	266	---	---
ISO 4406:1999 (c)		<b>20/17/14</b>	24/21/15	---	---
Silicon	ppm	<b>1</b>	1	<1	---
Sodium	ppm	<b>&lt;1</b>	0	<1	---
Potassium	ppm	<b>0</b>	2	<1	---

### 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 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>5</b>	8	5	---
Copper	ppm	<b>4</b>	2	9	---
Lead	ppm	<b>0</b>	3	2	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>0</b>	0	4	---
Chromium	ppm	<b>0</b>	0	0	---
Molybdenum	ppm	<b>0</b>	0	0	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>0</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>68</b>	111	121	---
Magnesium	ppm	<b>0</b>	4	<1	---
Zinc	ppm	<b>288</b>	65	48	---
Phosphorus	ppm	<b>336</b>	412	457	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>1</b>	0	1	---

**Depot:** VOLV00142  
**Unique No:** 10909497  
**Signed:** Wes Davis  
**Report Date:** 04 Mar 2024

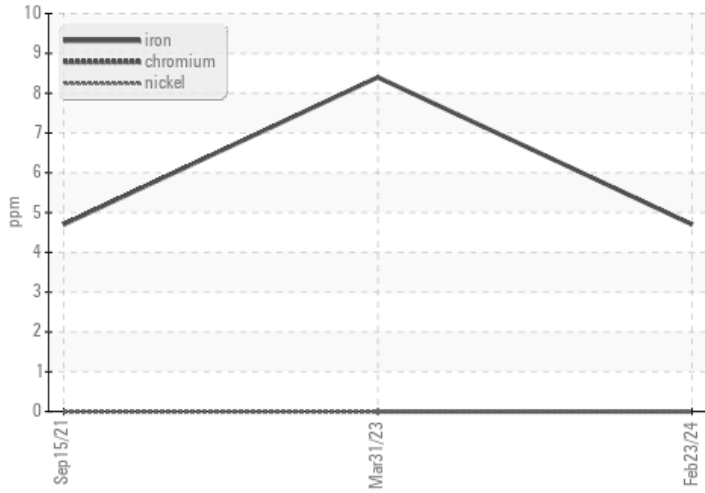


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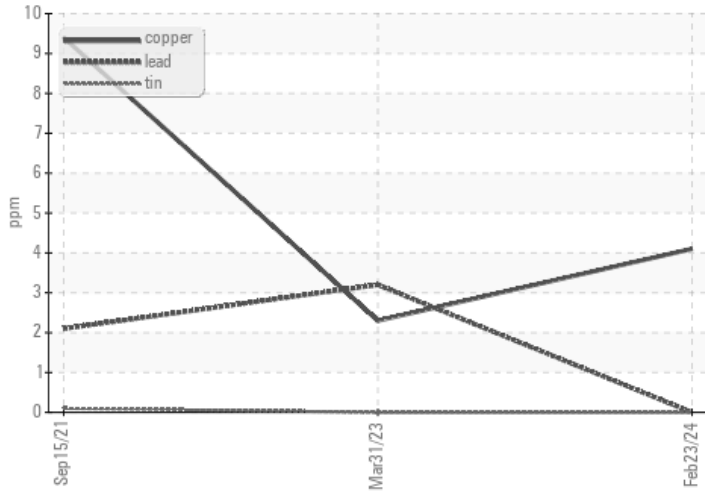


## GRAPHS

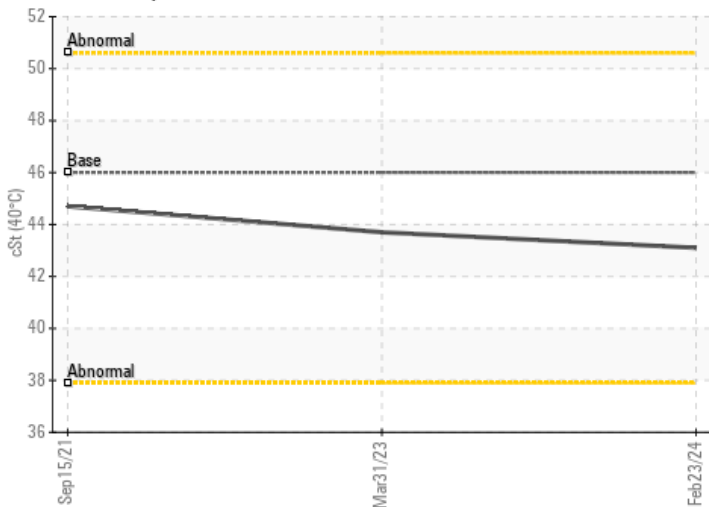
### Ferrous Alloys



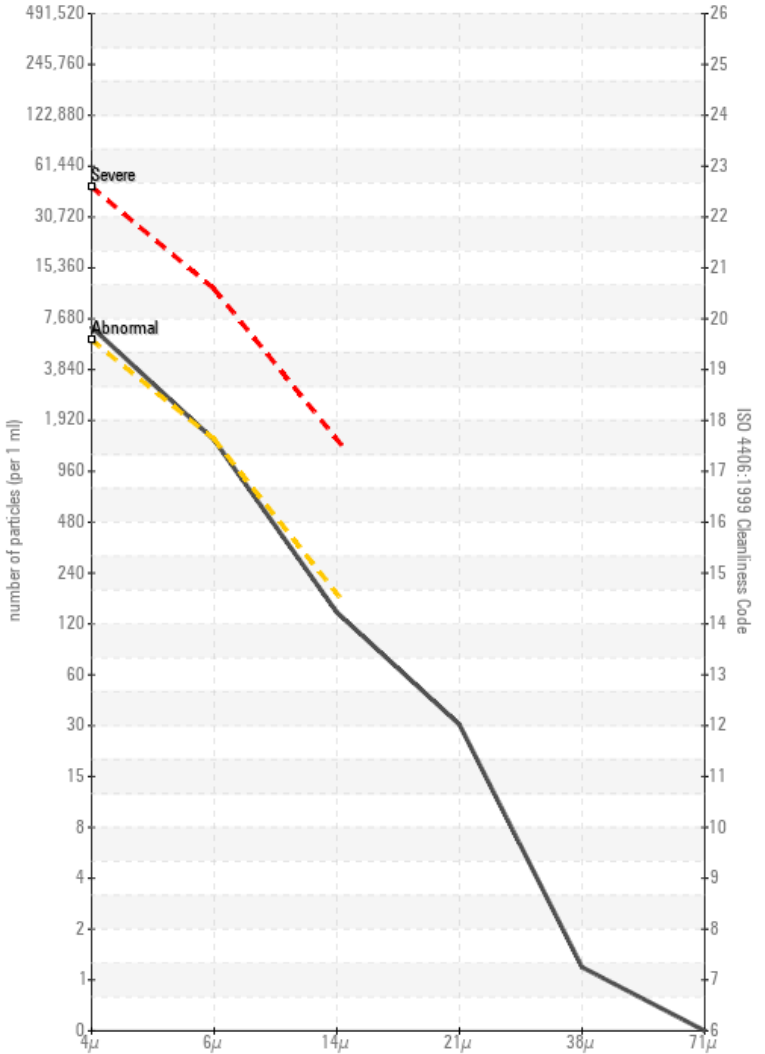
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

