



# CONSTRUCTION EQUIPMENT

## 600118 CRC VOLVO EC160E 310147 - HYDRAULIC SYSTEM



**Sample No:** VCP379882  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 600118 CRC



### SAMPLE INFORMATION

Sample Number	<b>VCP379882</b>	VCP346232	VCP371481	VCP362551
Sample Date	<b>26 Apr 2023</b>	31 Mar 2023	09 Jan 2023	11 Oct 2022
Machine Hours	<b>9553</b>	0	10533	10021
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	N/A	Not Changd	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**PACWEST MACHINERY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.2</b>	40.2	41.1	41.3
Acid Number (AN)	mg KOH/g	<b>0.38</b>	0.43	0.39	0.44



### CONTAMINATION

Particles >4µm	<b>1311</b>	5193	2721	11462	
Particles >6µm	<b>244</b>	580	123	1729	
Particles >14µm	<b>7</b>	24	5	113	
ISO 4406:1999 (c)	<b>18/15/10</b>	20/16/12	19/14/10	21/18/14	
Silicon	ppm	<b>2</b>	2	1	2
Sodium	ppm	<b>4</b>	4	0	1
Potassium	ppm	<b>1</b>	1	<1	0

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>6</b>	6	4	<1
Copper	ppm	<b>12</b>	12	9	5
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	0	0
Chromium	ppm	<b>7</b>	7	4	3
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>56</b>	55	51	31
Magnesium	ppm	<b>3</b>	3	2	4
Zinc	ppm	<b>497</b>	497	495	507
Phosphorus	ppm	<b>406</b>	407	378	393
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO1271  
**Unique No:** 10661745  
**Signed:** Wes Davis  
**Report Date:** 26 Sep 2023

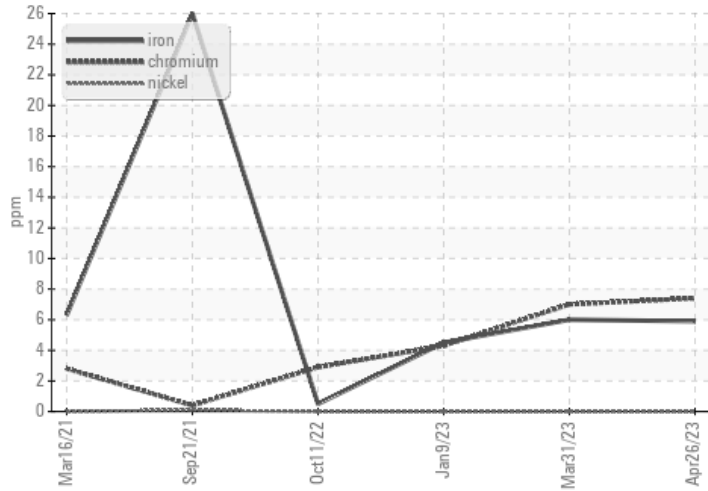


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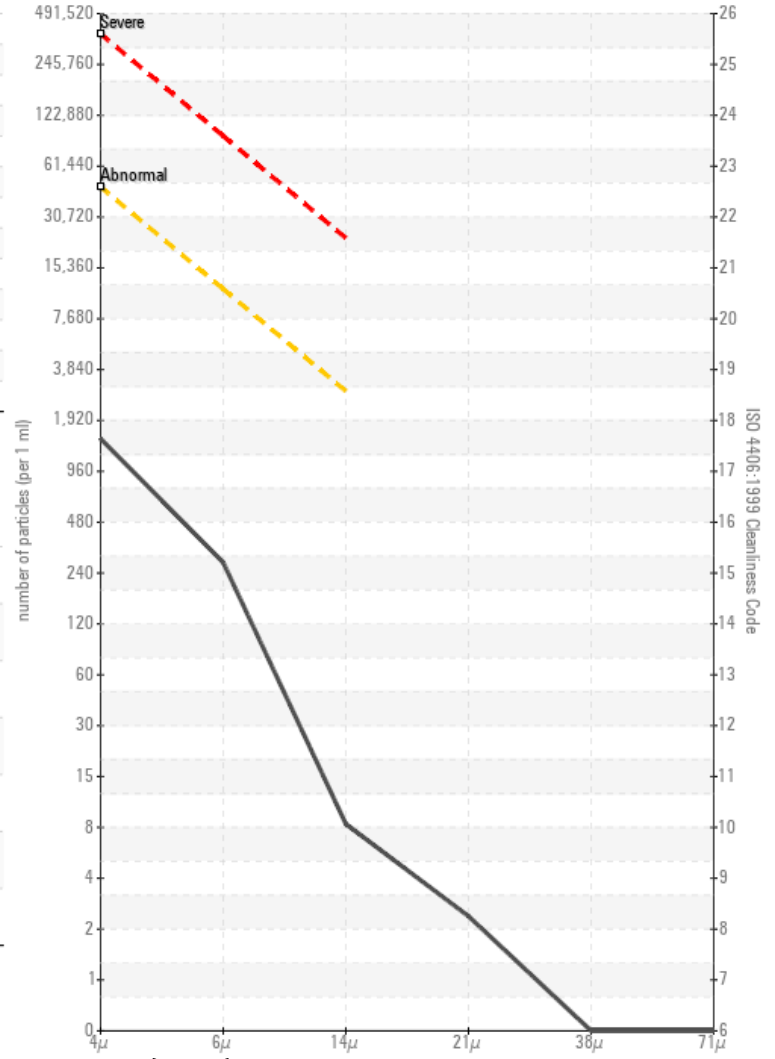


## VOLVO GRAPHS

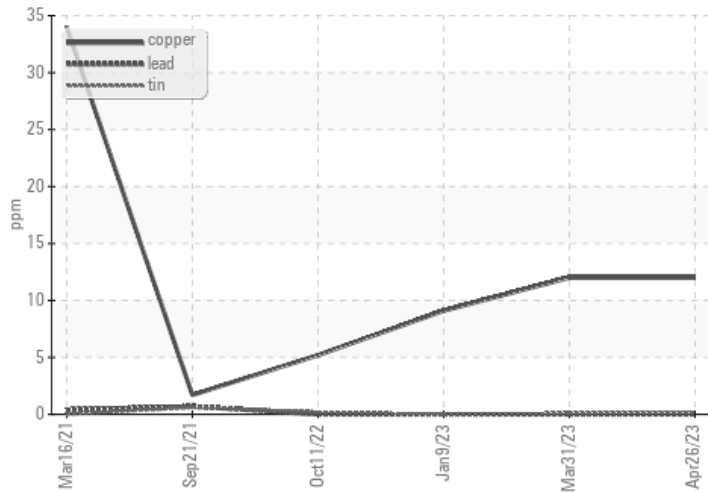
Ferrous Alloys



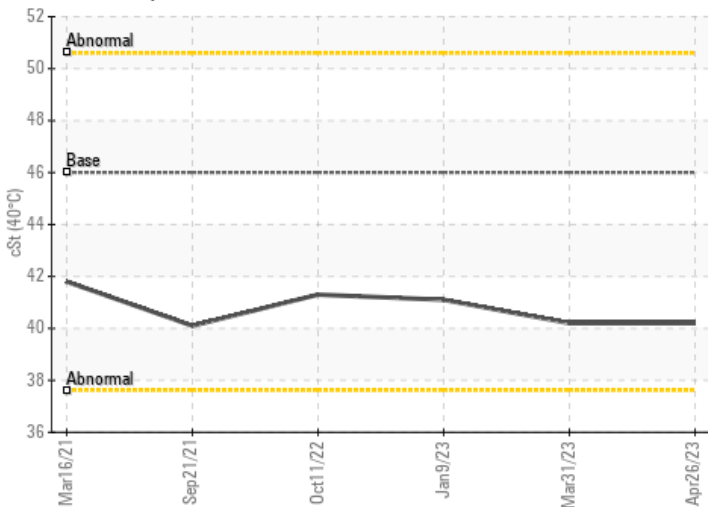
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

