



# CONSTRUCTION EQUIPMENT

## 19065 VALFAIR VOLVO EC380E 3 105 12 - HYDRAULIC SYSTEM



**Sample No:** VCP417108  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 19065 VALFAIR



**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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### SAMPLE INFORMATION

Sample Number	<b>VCP417108</b>	VCP351454	---	---
Sample Date	<b>30 Jun 2023</b>	04 Apr 2022	---	---
Machine Hours	<b>8132</b>	6745	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.8</b>	42.0	---	---
Acid Number (AN)	mg KOH/g	<b>0.47</b>	0.501	---	---



### CONTAMINATION

Particles >4µm		<b>▲ 91398</b>	18807	---	---
Particles >6µm		<b>▲ 29591</b>	163	---	---
Particles >14µm		<b>▲ 2556</b>	5	---	---
ISO 4406:1999 (c)		<b>24/22/19</b>	21/15/10	---	---
Silicon	ppm	<b>13</b>	10	---	---
Sodium	ppm	<b>&lt;1</b>	1	---	---
Potassium	ppm	<b>0</b>	0	---	---



### WEAR METALS

Iron	ppm	<b>▲ 45</b>	41	---	---
Copper	ppm	<b>45</b>	45	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>5</b>	4	---	---
Chromium	ppm	<b>2</b>	1	---	---
Molybdenum	ppm	<b>&lt;1</b>	<1	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>603</b>	642	---	---
Magnesium	ppm	<b>14</b>	13	---	---
Zinc	ppm	<b>594</b>	614	---	---
Phosphorus	ppm	<b>537</b>	498	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	2	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8769  
**Unique No:** 10552617  
**Signed:** Don Baldrige  
**Report Date:** 14 Jul 2023

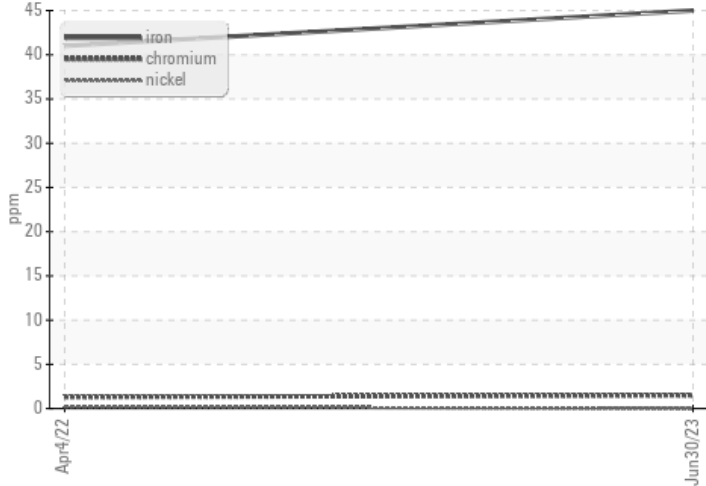


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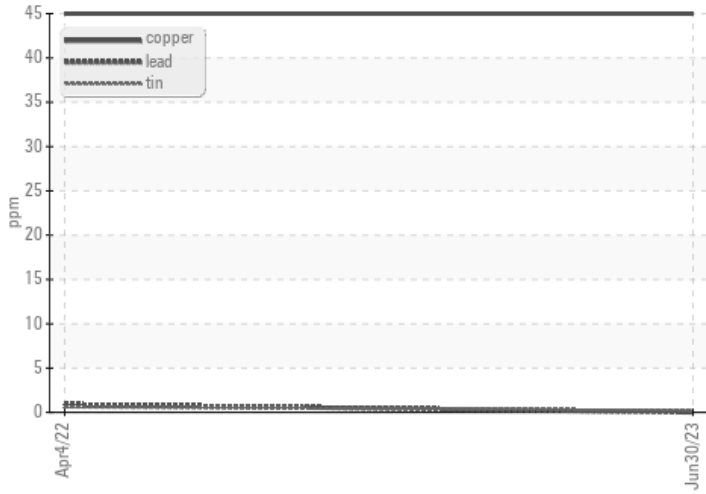


## VOLVO GRAPHS

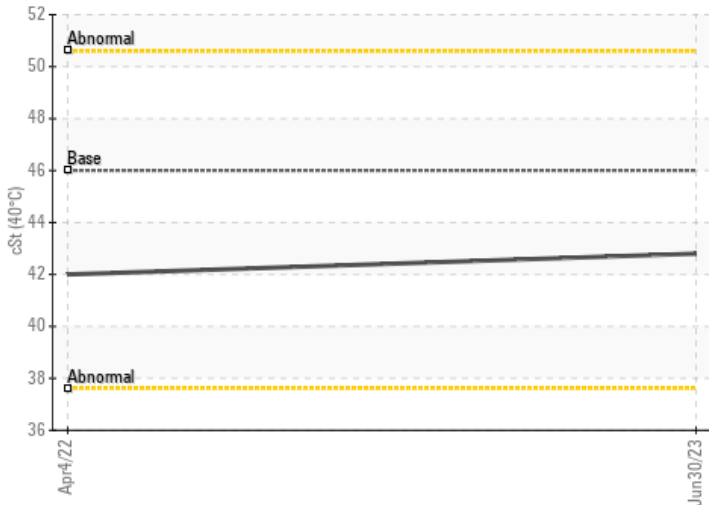
### ▲ Ferrous Alloys



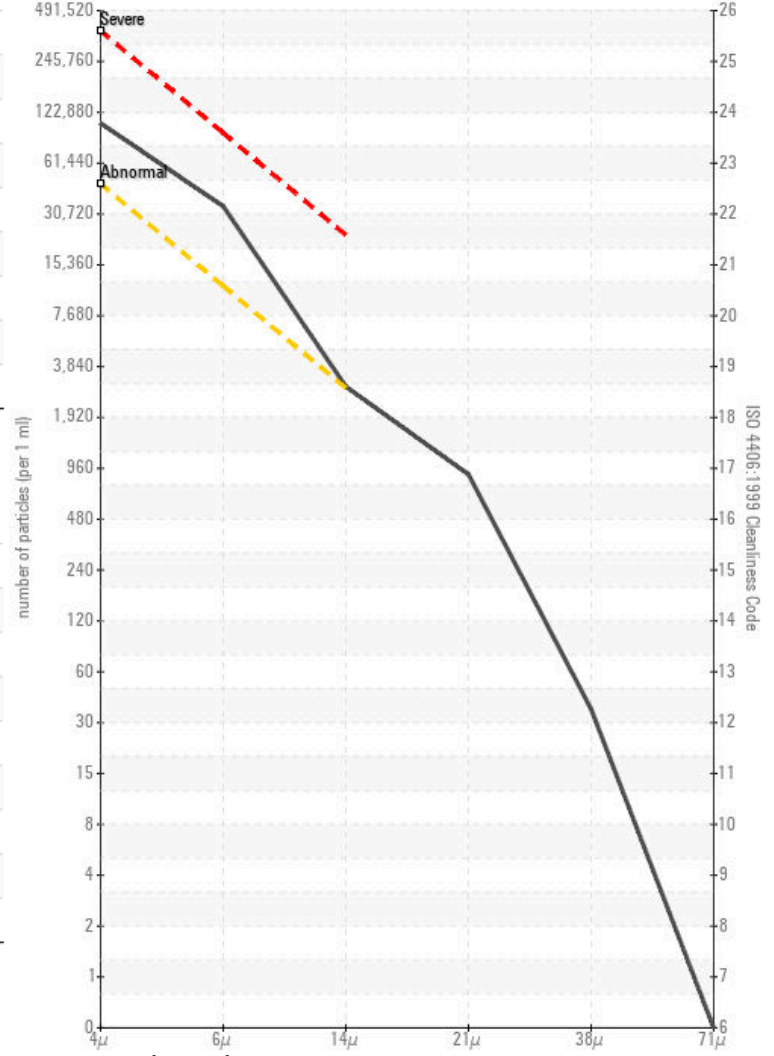
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

