



# CONSTRUCTION EQUIPMENT

## 269861 ERIKSONS MANITOU MTH10210 761363 - HYDRAULIC SYSTEM



**Sample No:** VCP408322  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 269861 ERIKSONS



### SAMPLE INFORMATION

Sample Number	<b>VCP408322</b>	VCP219557	VCP139808	---
Sample Date	<b>24 Aug 2023</b>	23 Apr 2018	28 Jan 2014	---
Machine Hours	<b>3952</b>	2766	516	---
Oil Hours	<b>0</b>	2766	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>45.8</b>	41.83	42.24	---
Acid Number (AN)	mg KOH/g	<b>0.53</b>	0.360	0.664	---

### CONTAMINATION

Particles >4µm		<b>▲ 16413</b>	▲ 69704	172	---
Particles >6µm		<b>■ 1240</b>	▲ 5568	■ 93	---
Particles >14µm		<b>■ 25</b>	■ 39	■ 15	---
ISO 4406:1999 (c)		<b>21/17/12</b>	23/20/12	15/14/11	---
Silicon	ppm	<b>■ &lt;1</b>	■ 2	■ 2	---
Sodium	ppm	<b>■ 0</b>	■ <1	■ <1	---
Potassium	ppm	<b>■ 1</b>	■ 3	■ 0	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. 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 condition of the oil is suitable for further service.

### WEAR METALS

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

### ADDITIVES

Calcium	ppm	<b>■ 171</b>	■ 132	■ 111	---
Magnesium	ppm	<b>■ 24</b>	■ 17	■ 18	---
Zinc	ppm	<b>■ 481</b>	■ 443	■ 426	---
Phosphorus	ppm	<b>■ 348</b>	■ 348	■ 347	---
Barium	ppm	<b>■ 2</b>	■ 0	■ 0	---
Boron	ppm	<b>■ 2</b>	■ 2	■ 1	---

**Depot:** VOLVO0046  
**Unique No:** 10628833  
**Signed:** Don Baldrige  
**Report Date:** 31 Aug 2023

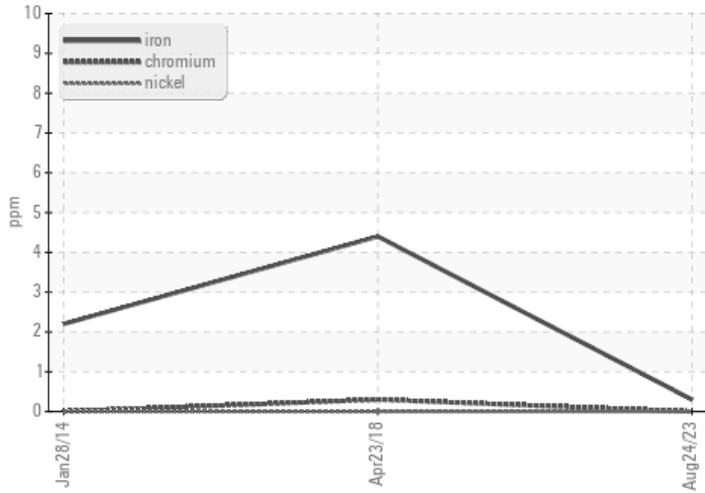


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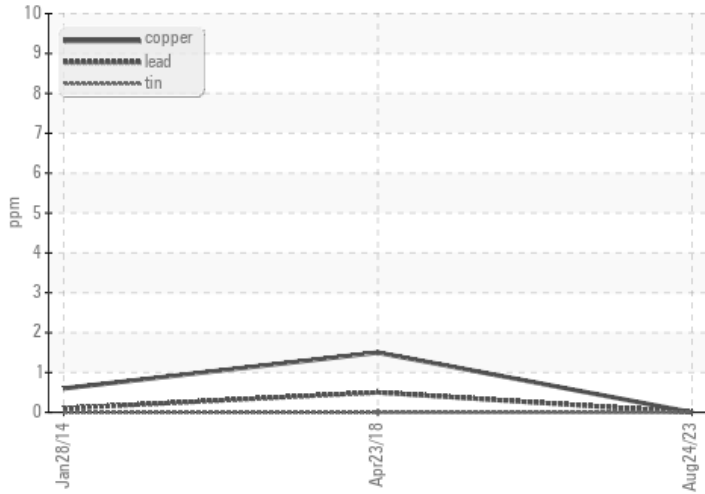


## GRAPHS

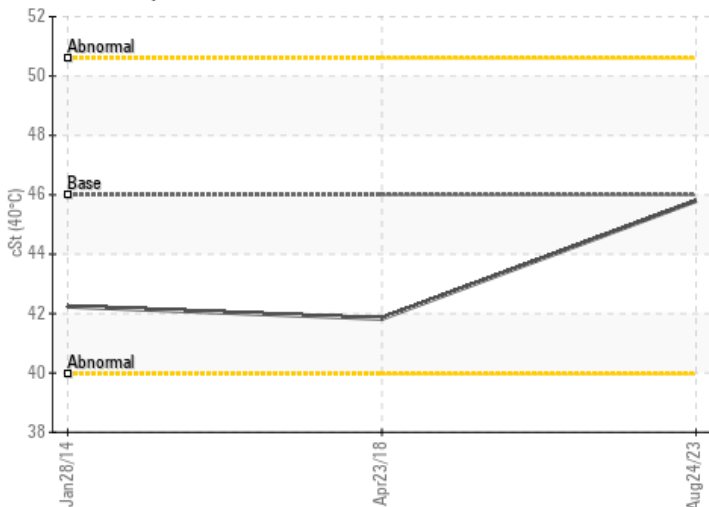
### Ferrous Alloys



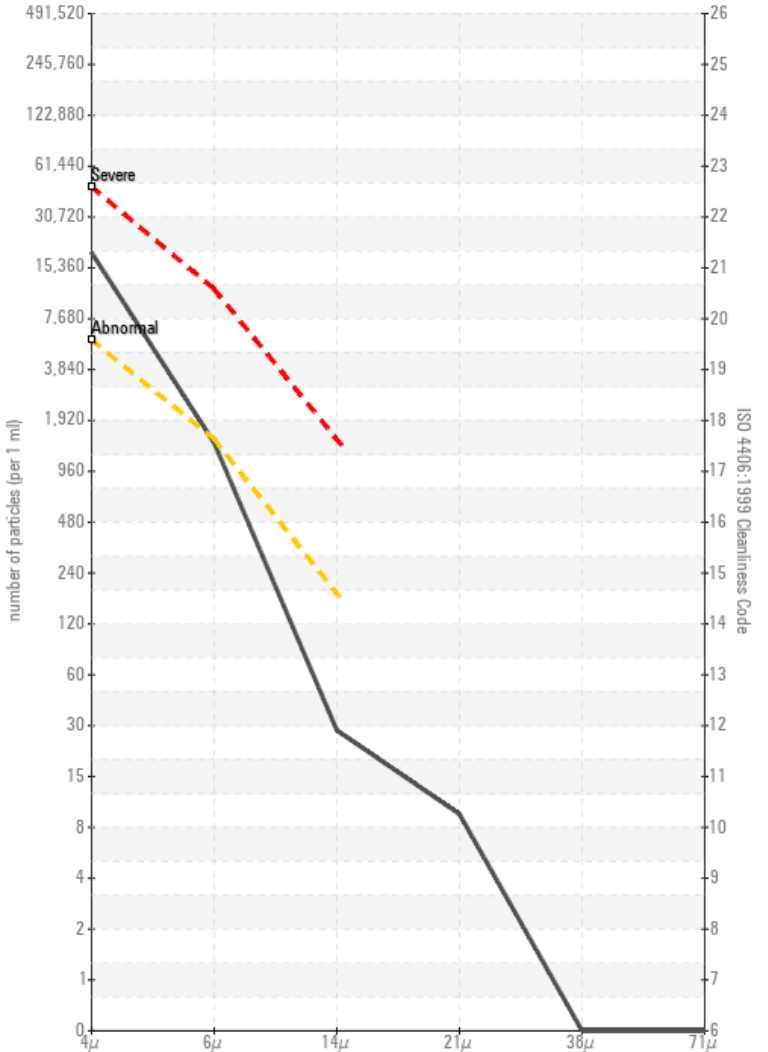
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

