



# CONSTRUCTION EQUIPMENT

## SWA53217 - HYDRAULIC SYSTEM



**Sample No:** VCP397892  
**Oil Type:** {unknown}  
**Job No:** SWA532217



### SAMPLE INFORMATION

Sample Number	VCP397892	VCP0007644	---	---
Sample Date	26 Apr 2024	23 May 2023	---	---
Machine Hours	6400	6193	---	---
Oil Hours	0	6193	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
 56195 PONTIAC TRAIL  
 NEW HUDSON, MI  
 US 48165  
 Contact: PAUL ELZERMAN  
 paul.elzerman@altaequipment.com  
 T: (248)356-5200  
 F: (248)356-2029



### OIL CONDITION

Visc @ 40°C	cSt	█ 45.7	█ 45.9	---	---
Acid Number (AN)	mg KOH/g	█ 0.85	█ 0.38	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 16449	█ 6750	---	---
Particles >6µm		█ 2262	█ 1171	---	---
Particles >14µm		● 232	█ 79	---	---
ISO 4406:1999 (c)		21/18/15	20/17/13	---	---
Silicon	ppm	█ 11	█ 10	---	---
Sodium	ppm	█ 3	█ 3	---	---
Potassium	ppm	█ 0	█ 0	---	---

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	█ 5	█ 6	---	---
Copper	ppm	█ 6	█ 5	---	---
Lead	ppm	█ 1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 4	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	1	2	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	1574	1656	---	---
Magnesium	ppm	28	15	---	---
Zinc	ppm	783	831	---	---
Phosphorus	ppm	638	684	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	2	---	---

**Depot:** VOLVO2990  
**Unique No:** 11003474  
**Signed:** Wes Davis  
**Report Date:** 30 Apr 2024

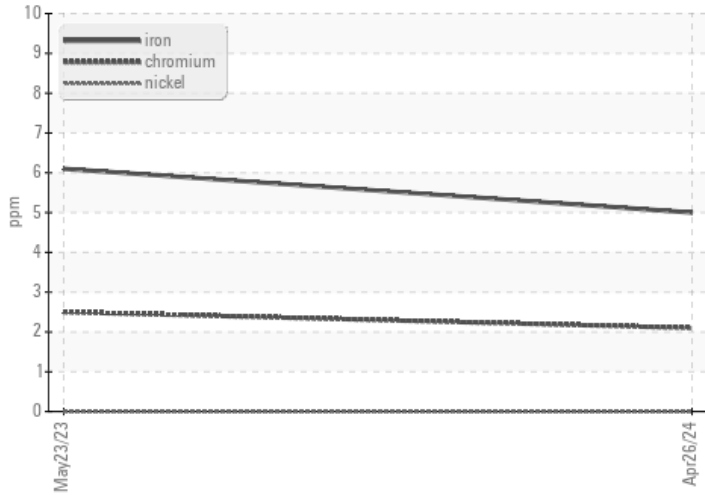


# CONSTRUCTION EQUIPMENT

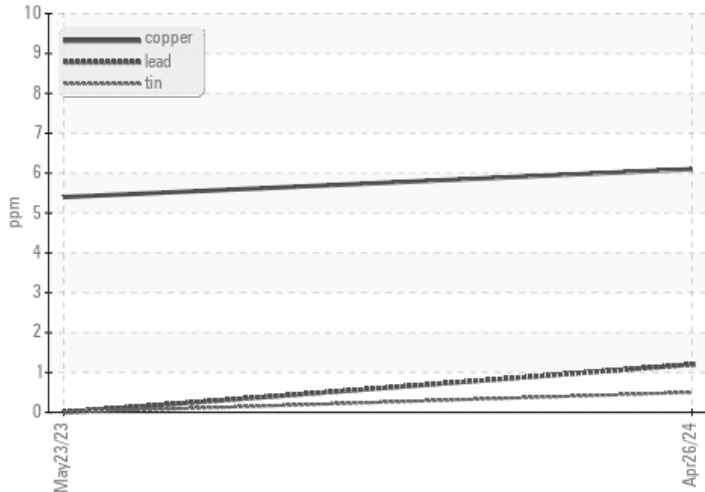


## GRAPHS

### Ferrous Alloys



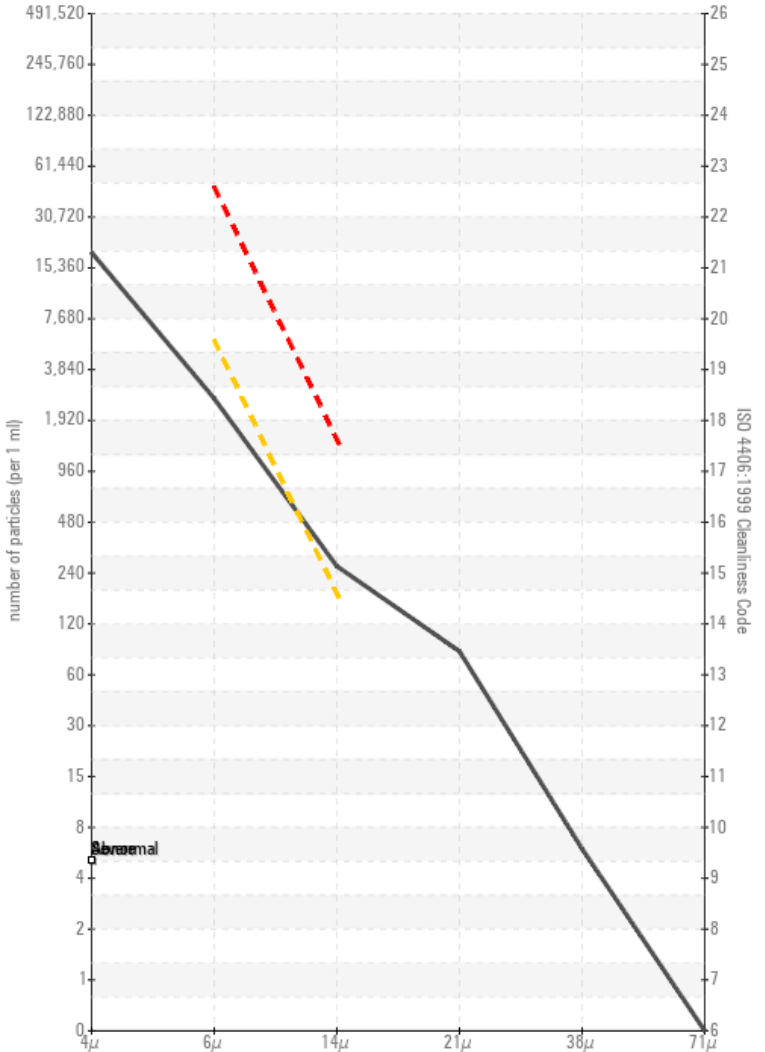
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

