



# CONSTRUCTION EQUIPMENT

## SWA362603 ML CHARTER VOLVO L220H 2997 - HYDRAULIC SYSTEM



**Sample No:** VCP431179  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWA362603 ML CHARTER



### SAMPLE INFORMATION

Sample Number	VCP431179	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	6431	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
 56195 PONTIAC TRAIL  
 NEW HUDSON, MI  
 US 48165  
 Contact: JEFF YAEK  
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 T: (248)770-6328  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.26	---	---	---



### CONTAMINATION

Particles >4µm		4675	---	---	---
Particles >6µm		█ 963	---	---	---
Particles >14µm		▲ 96	---	---	---
ISO 4406:1999 (c)		19/17/14	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

### 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	█ 4	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 69	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 396	---	---	---
Phosphorus	ppm	█ 318	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO2990  
**Unique No:** 10657639  
**Signed:** Wes Davis  
**Report Date:** 21 Sep 2023

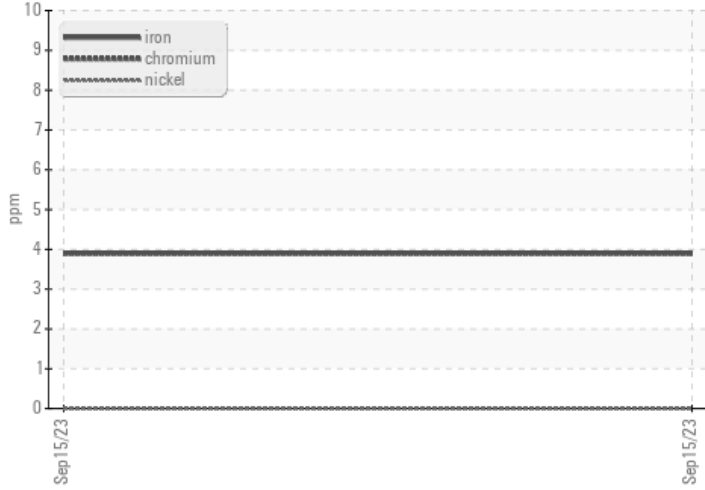


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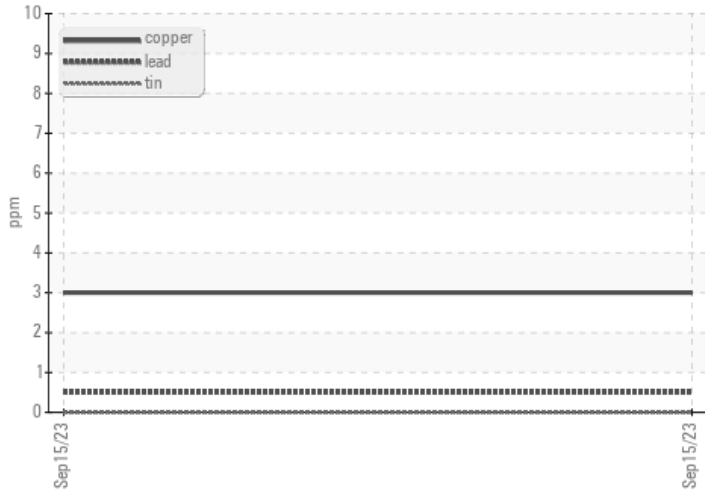


## GRAPHS

### Ferrous Alloys



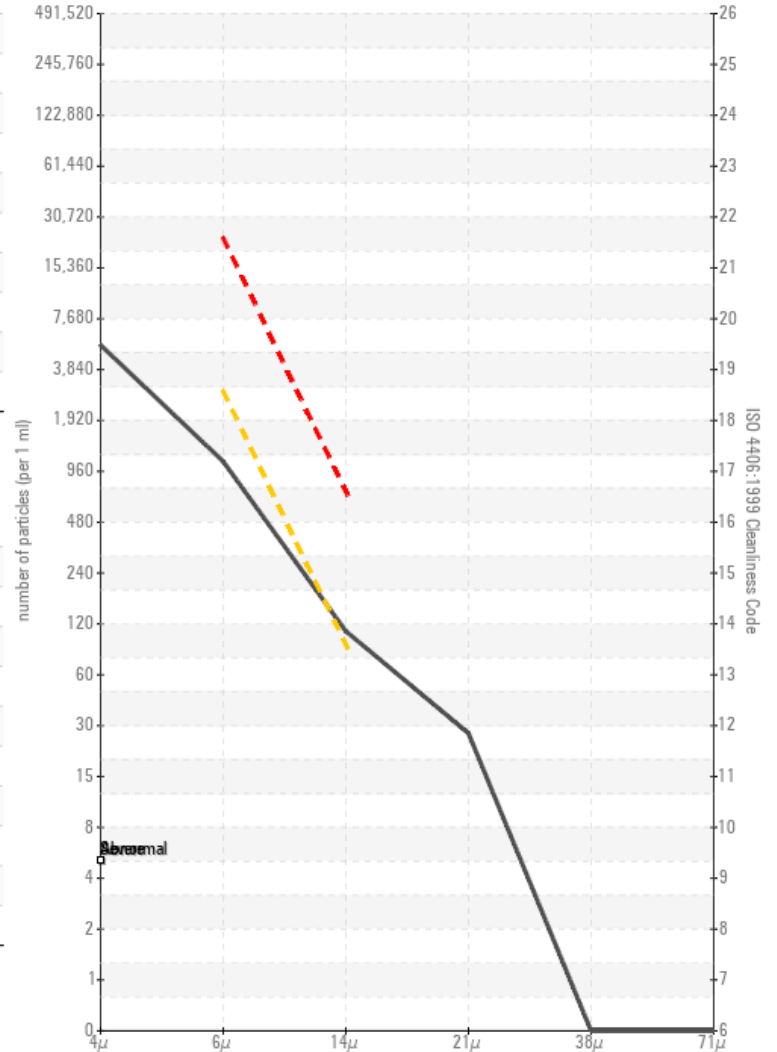
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

