



# CONSTRUCTION EQUIPMENT

## RSO-034991 FREIGHTLINER WT-4204 - HYDRAULIC SYSTEM



**Sample No:** VCP427476  
**Oil Type:** NOT GIVEN  
**Job No:** RSO-034991



### SAMPLE INFORMATION

Sample Number	VCP427476	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	2061	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	■ 94.2	---	---	---
Acid Number (AN)	mg KOH/g	■ 2.16	---	---	---



### CONTAMINATION

Particles >4µm		▲ 156892	---	---	---
Particles >6µm		▲ 48228	---	---	---
Particles >14µm		▲ 174	---	---	---
ISO 4406:1999 (c)		24/23/15	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 3	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. 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 acceptable for the time in service.



### WEAR METALS

Iron	ppm	▲ 115	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	25	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	22	---	---	---
Phosphorus	ppm	1307	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	261	---	---	---

**Depot:** SAIBIR  
**Unique No:** 10617362  
**Signed:** Don Baldrige  
**Report Date:** 24 Aug 2023

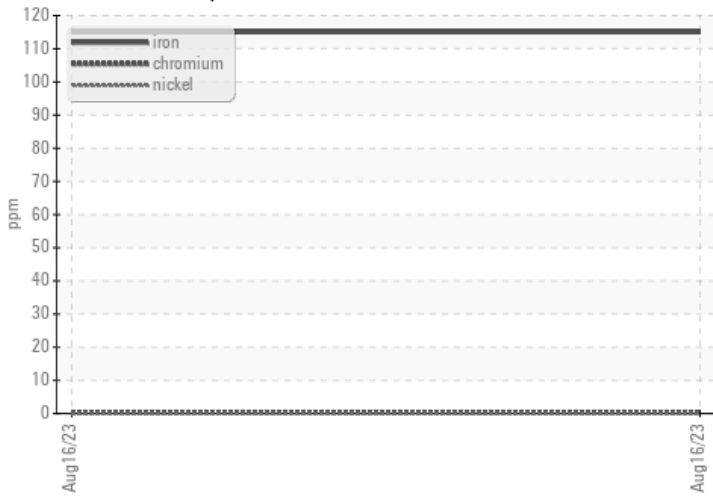


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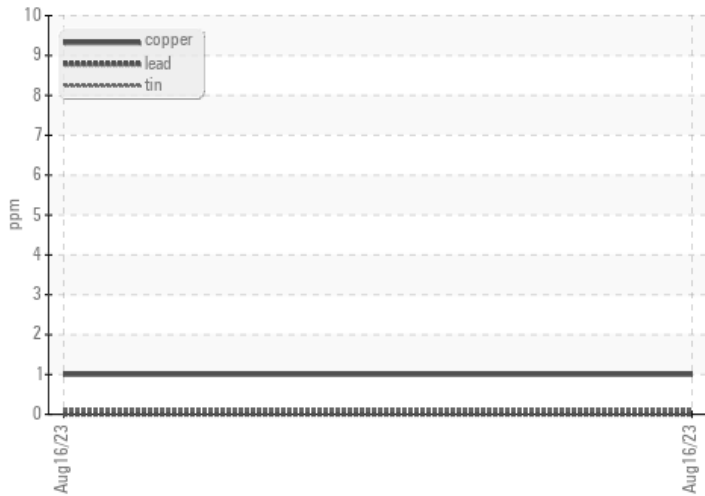


## GRAPHS

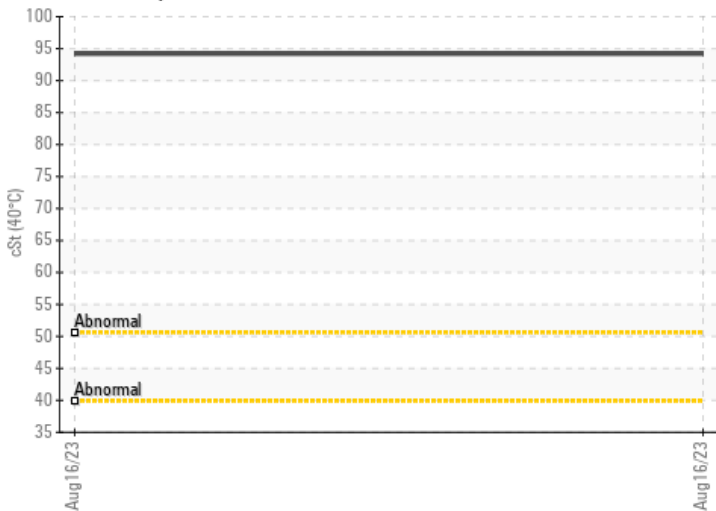
### ▲ Ferrous Alloys



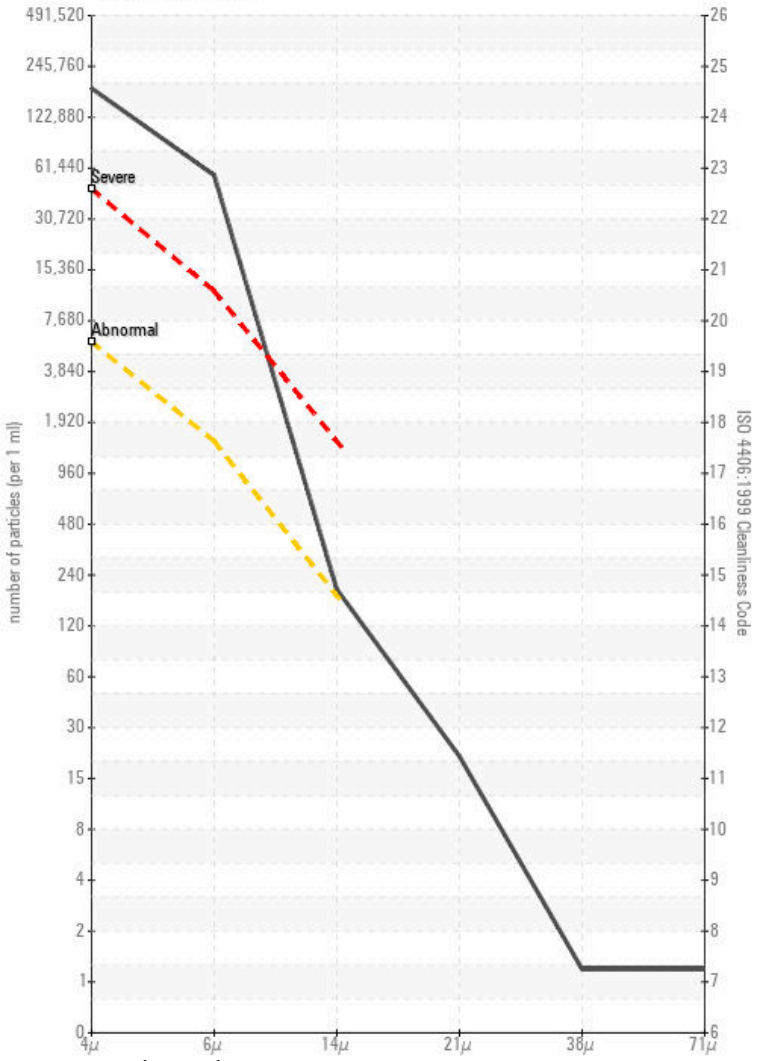
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

