



# CONSTRUCTION EQUIPMENT

## 18915 HERC VOLVO EC200EL 314175 - HYDRAULIC SYSTEM



**Sample No:** VCP417586  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 18915 HERC



### SAMPLE INFORMATION

Sample Number	VCP417586	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	2078	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
 2002 N GREENE ST  
 GREENVILLE, NC  
 US 27834  
 Contact: BRANDON JENKINS  
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM  
 T:  
 F: (704)494-8197



### OIL CONDITION

Visc @ 40°C	cSt	█ 40.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.68	---	---	---



### CONTAMINATION

Particles >4µm		▲ 41921	---	---	---
Particles >6µm		█ 3670	---	---	---
Particles >14µm		█ 37	---	---	---
ISO 4406:1999 (c)		23/19/12	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

### 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. All component wear rates are normal. There is a moderate 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	█ 12	---	---	---
Copper	ppm	█ 24	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	792	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 598	---	---	---
Phosphorus	ppm	█ 488	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

**Depot:** VOLVO8769  
**Unique No:** 10538824  
**Signed:** Don Baldrige  
**Report Date:** 04 Jul 2023

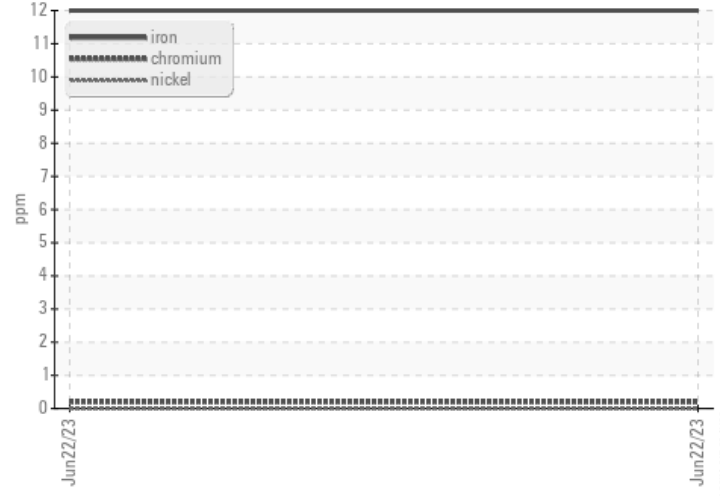


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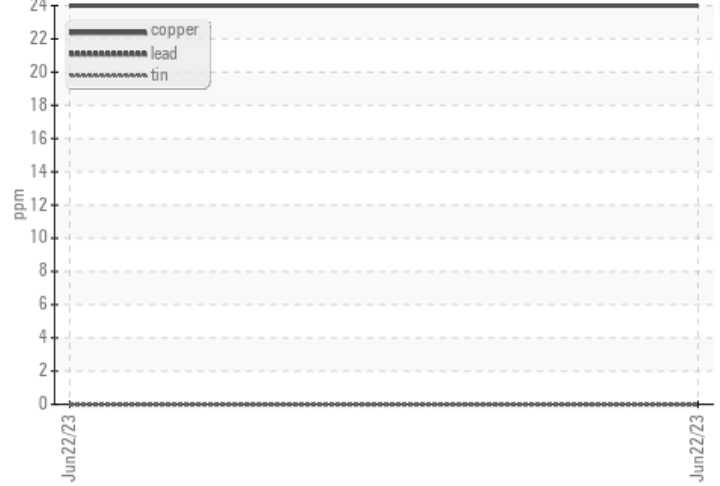


## GRAPHS

### Ferrous Alloys



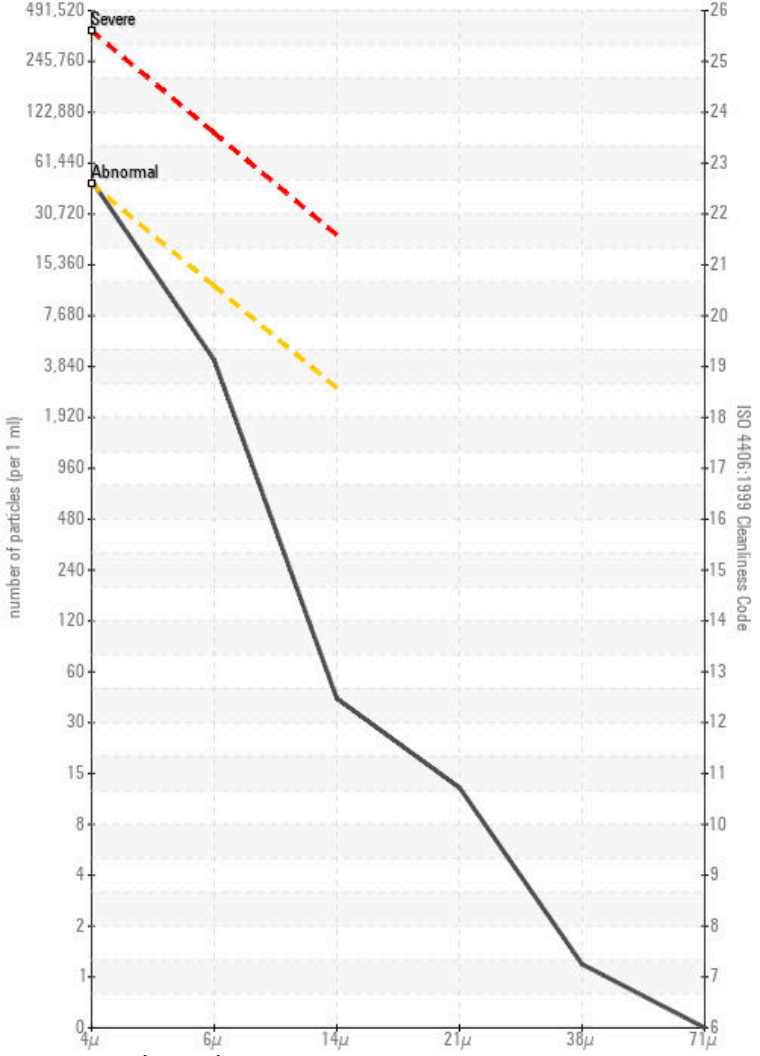
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

