



# CONSTRUCTION EQUIPMENT

## 19072 HERC VOLVO EC140EL 311842 - HYDRAULIC SYSTEM



**Sample No:** VCP425909  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 19072 HERC



**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

### SAMPLE INFORMATION

Sample Number	VCP425909	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	2073	---	---	---
Oil Hours	2073	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 46.4	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.09	---	---	---

### CONTAMINATION

Particles >4µm		▲ 183880	---	---	---
Particles >6µm		▲ 62305	---	---	---
Particles >14µm		■ 603	---	---	---
ISO 4406:1999 (c)		25/23/16	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 4	---	---	---

### WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 27	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 10	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 17	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1834	---	---	---
Magnesium	ppm	■ 51	---	---	---
Zinc	ppm	■ 938	---	---	---
Phosphorus	ppm	■ 748	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 21	---	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

**Depot:** VOLVO8769  
**Unique No:** 10587198  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023

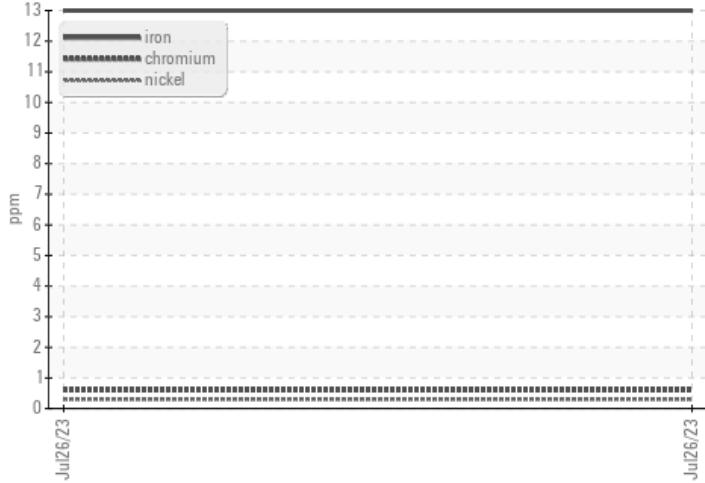


# CONSTRUCTION EQUIPMENT

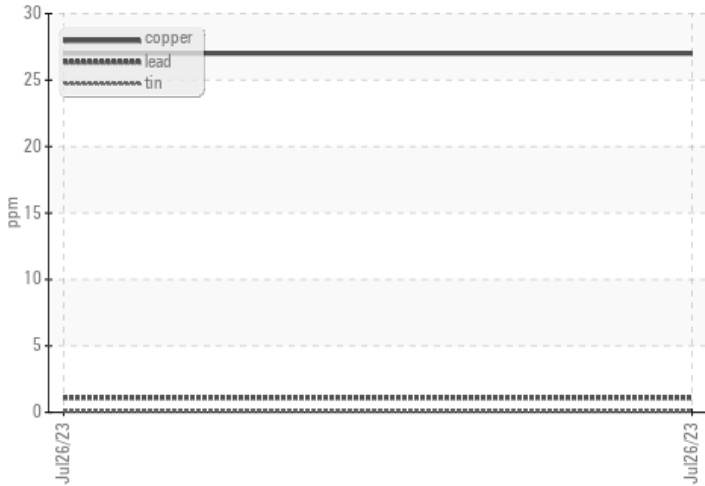


## VOLVO GRAPHS

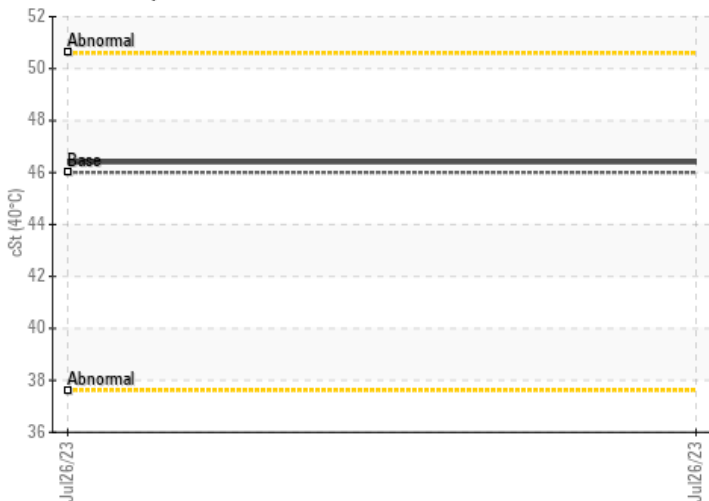
### Ferrous Alloys



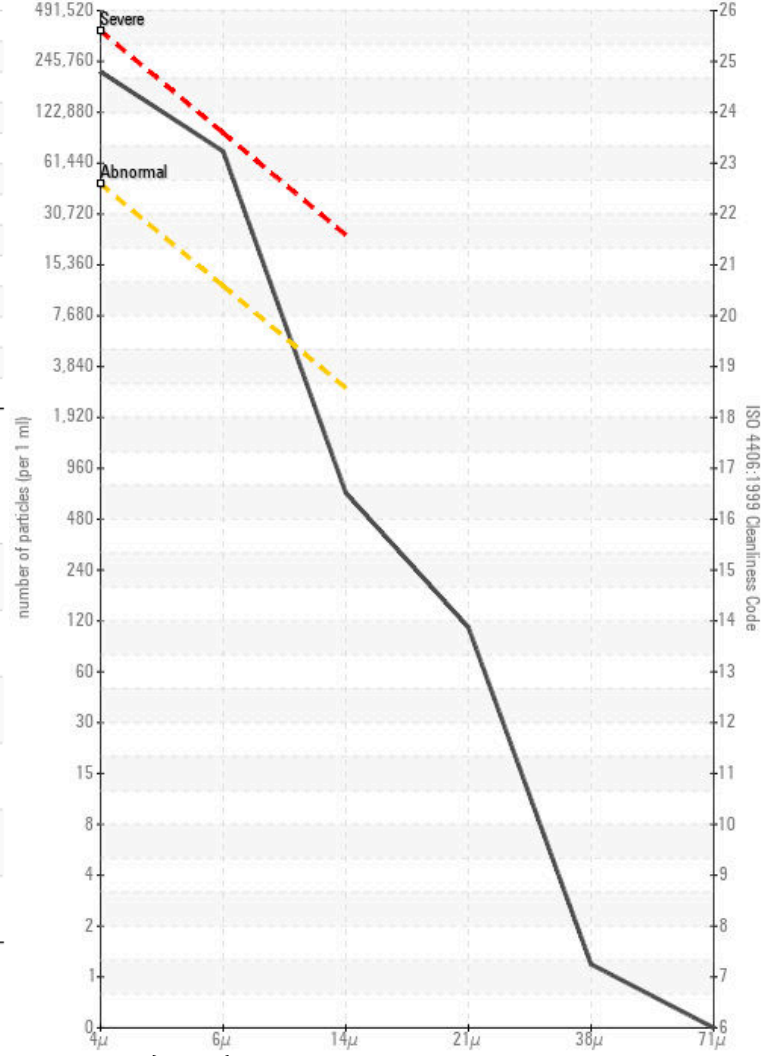
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

