



# CONSTRUCTION EQUIPMENT

19571 LANE-BLYTHE VOLVO EC750EL 314008 - HYDRAULIC SYSTEM



**Sample No:** VCP435315  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 19571 LANE-BLYTHE



**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	VCP435315	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	7341	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	█ 48.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.62	---	---	---

## CONTAMINATION

Particles >4µm	█ 16750	---	---	---	
Particles >6µm	█ 1676	---	---	---	
Particles >14µm	█ 17	---	---	---	
ISO 4406:1999 (c)	21/18/11	---	---	---	
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

## WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 2760	---	---	---
Magnesium	ppm	█ 23	---	---	---
Zinc	ppm	█ 1132	---	---	---
Phosphorus	ppm	█ 982	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8769  
**Unique No:** 10643929  
**Signed:** Don Baldrige  
**Report Date:** 14 Sep 2023

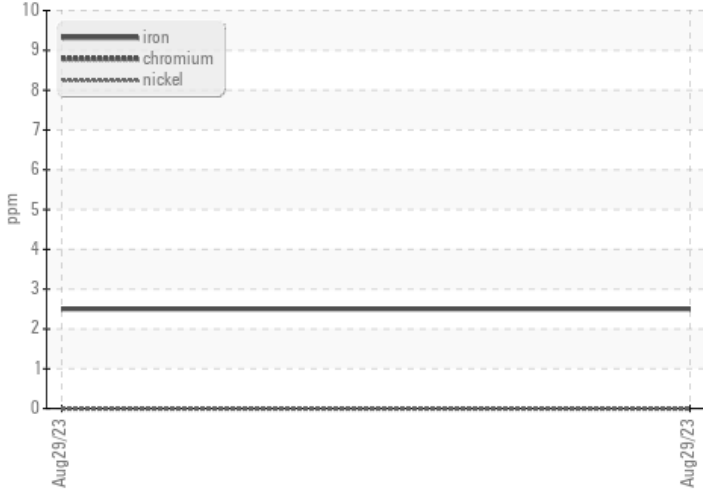


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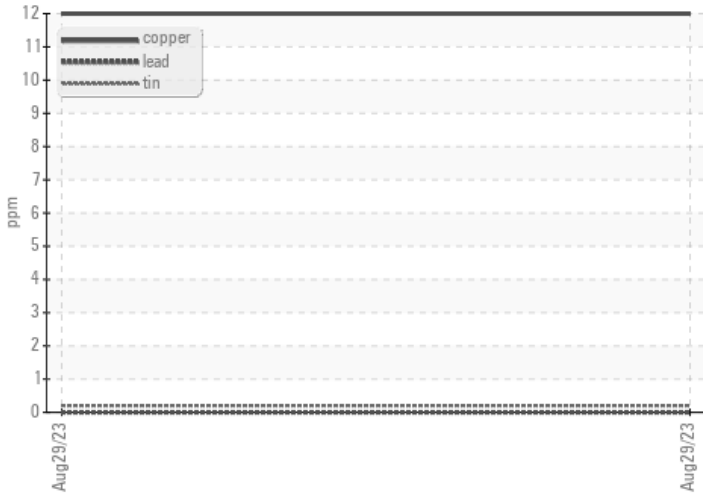


## VOLVO GRAPHS

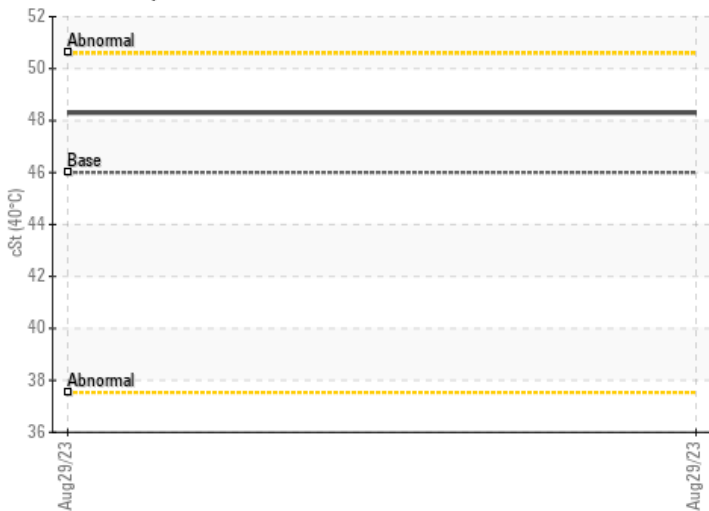
### Ferrous Alloys



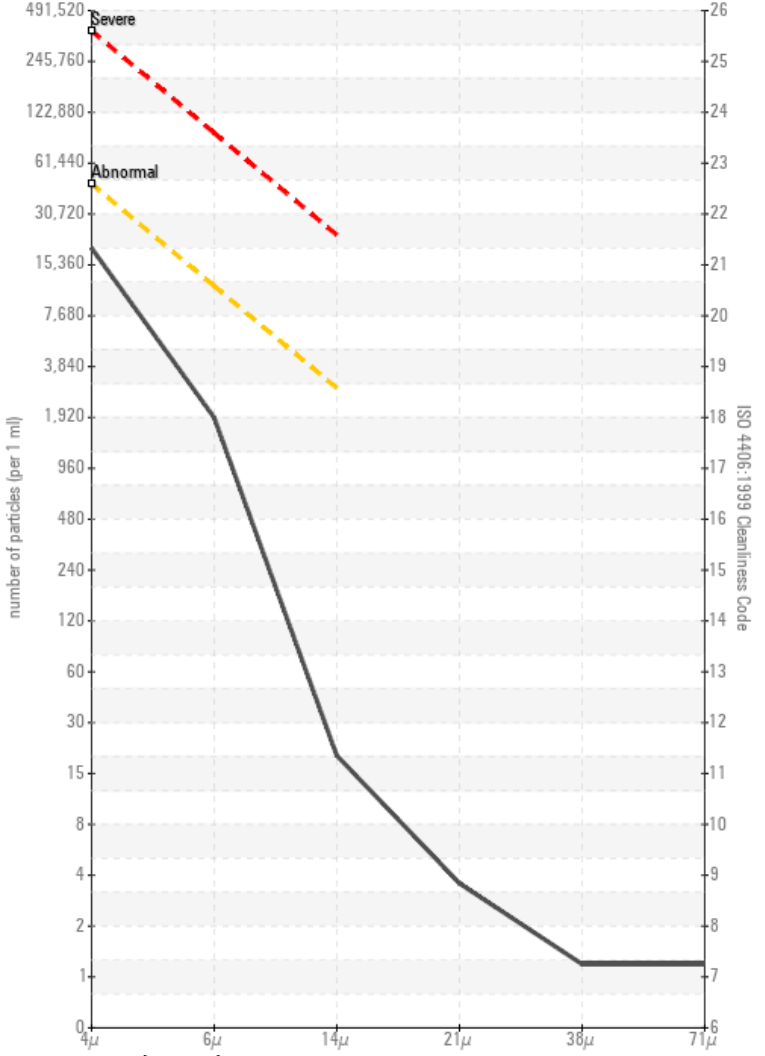
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

