



# CONSTRUCTION EQUIPMENT

## X36402 14RLO0271 - HYDRAULIC SYSTEM



**Sample No:** VCP400855  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** X36402



### SAMPLE INFORMATION

Sample Number	VCP400855	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	623	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**SCOTT EQUIPMENT COMPANY LLC - Baton Rouge**  
 10160 AIRLINE HWY  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 45.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.54	---	---	---

### CONTAMINATION

Particles >4µm		▲ 36807	---	---	---
Particles >6µm		▲ 5577	---	---	---
Particles >14µm		█ 112	---	---	---
ISO 4406:1999 (c)		22/20/14	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

### 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 high 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 acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 0	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 34	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 482	---	---	---
Phosphorus	ppm	█ 399	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO6242  
**Unique No:** 10622452  
**Signed:** Don Baldrige  
**Report Date:** 30 Aug 2023



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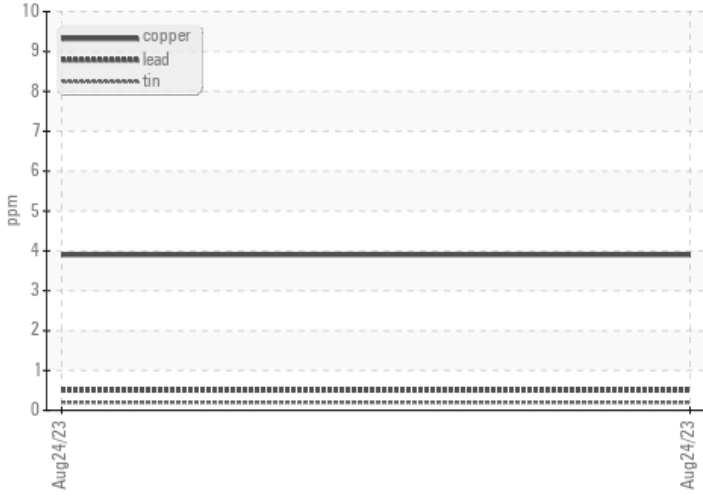


## VOLVO GRAPHS

### Ferrous Alloys



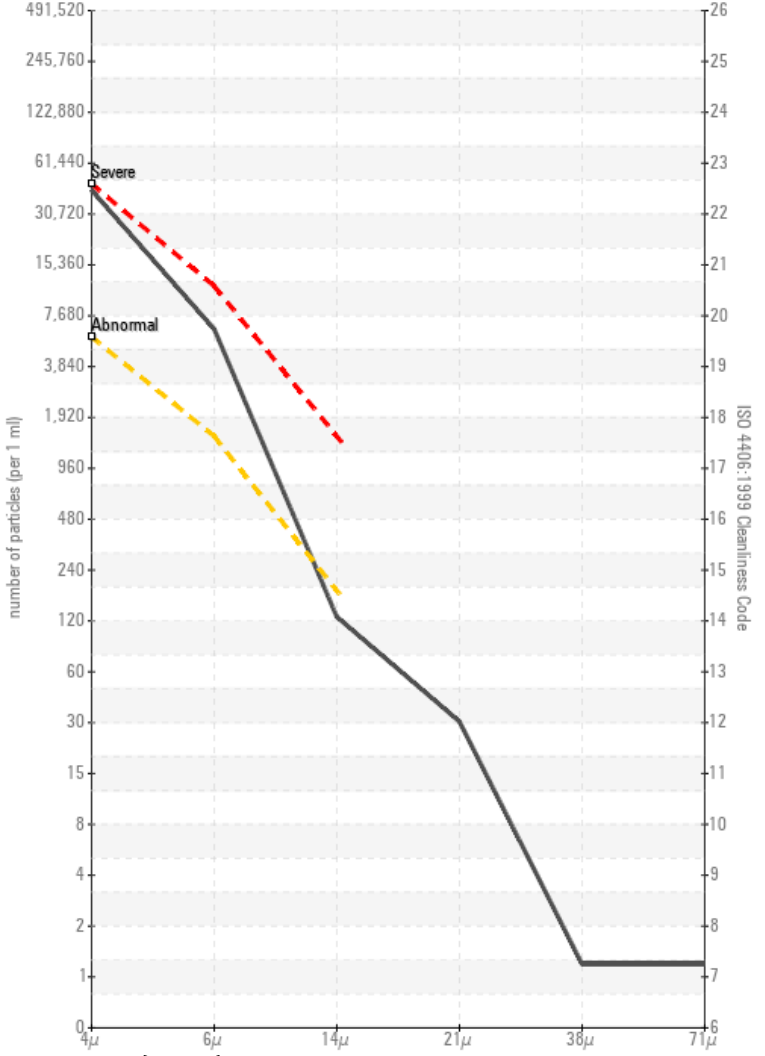
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

