



# CONSTRUCTION EQUIPMENT

## W07013379 VOLVO ECR235E 314664 - HYDRAULIC SYSTEM



**Sample No:** VCP414599  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** W07013379



### SAMPLE INFORMATION

Sample Number	VCP414599	VCP359459	---	---
Sample Date	13 Nov 2023	29 Apr 2022	---	---
Machine Hours	1107	522	---	---
Oil Hours	1107	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



### OIL CONDITION

Visc @ 40°C	cSt	█ 42.4	█ 43.3	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	█ 0.43	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 49266	█ 16452	---	---
Particles >6µm		█ 7288	█ 1928	---	---
Particles >14µm		█ 227	█ 18	---	---
ISO 4406:1999 (c)		23/20/15	21/18/11	---	---
Silicon	ppm	█ 4	█ 2	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ 1	█ 1	---	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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	█ <1	█ 2	---	---
Copper	ppm	█ 22	█ 20	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	0	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 72	█ 87	---	---
Magnesium	ppm	█ 1	█ 0	---	---
Zinc	ppm	█ 527	█ 541	---	---
Phosphorus	ppm	█ 392	█ 386	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ <1	---	---

**Depot:** VOLVO8882  
**Unique No:** 10762510  
**Signed:** Don Baldrige  
**Report Date:** 29 Nov 2023

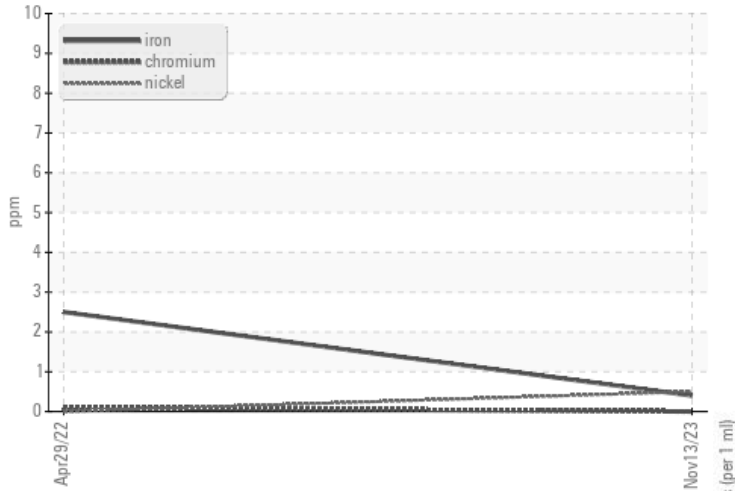


# CONSTRUCTION EQUIPMENT

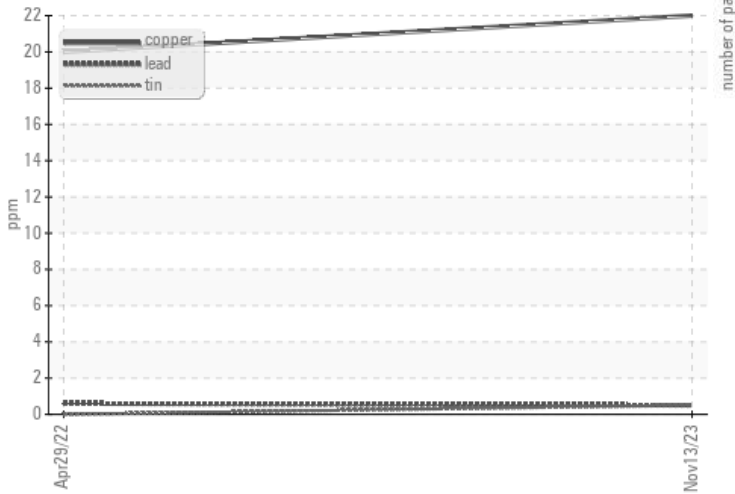


## GRAPHS

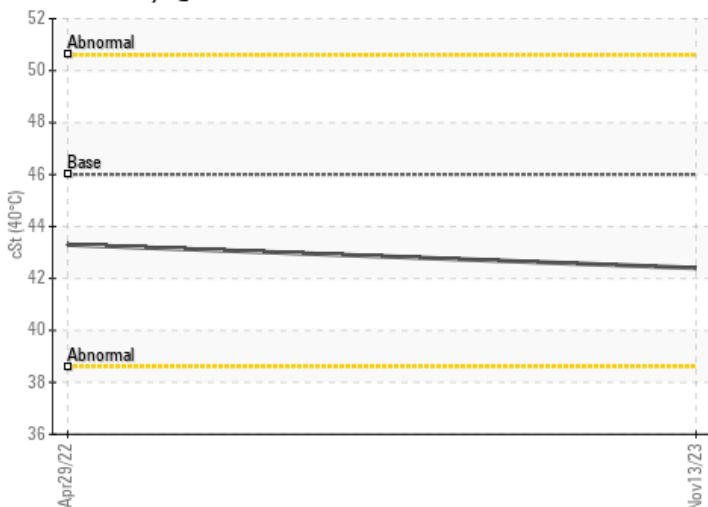
### Ferrous Alloys



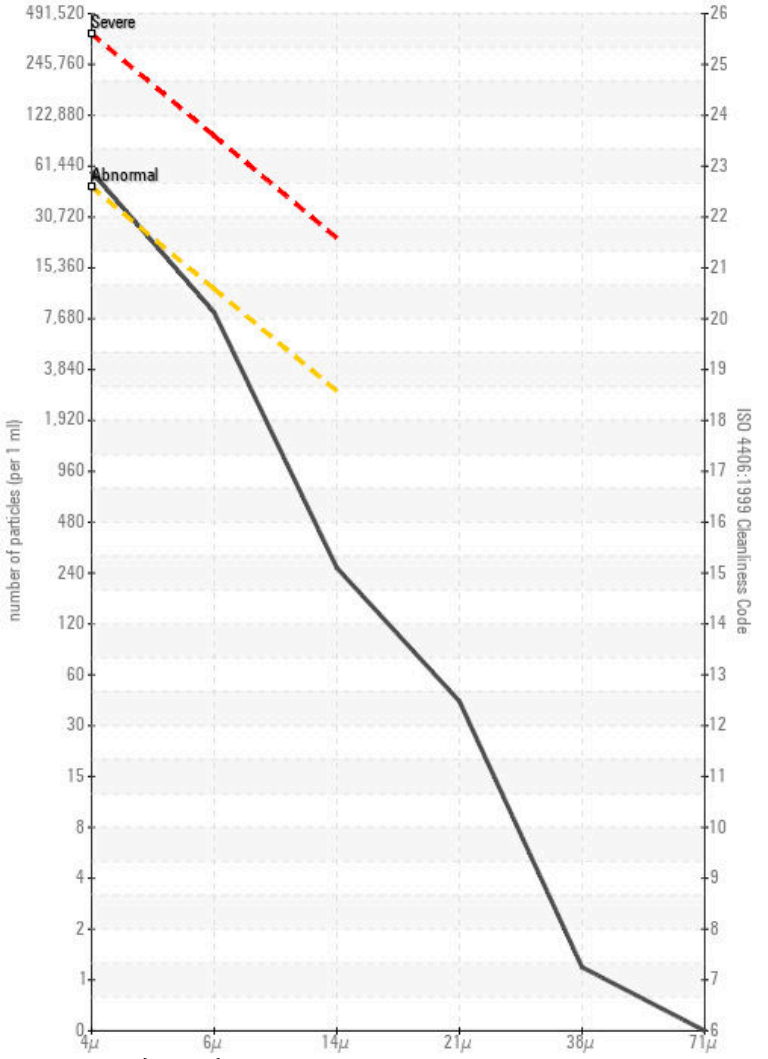
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

