



# CONSTRUCTION EQUIPMENT

## X59227 VOLVO EC300ELR 317660 - HYDRAULIC SYSTEM



**Sample No:** VCP442708  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** X59227



**SCOTT EQUIPMENT COMPANY LLC - Saint Rose**  
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### SAMPLE INFORMATION

Sample Number	VCP442708	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	476	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.56	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 43388	---	---	---
Particles >6µm		▲ 13081	---	---	---
Particles >14µm		█ 810	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



### WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 91	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 544	---	---	---
Phosphorus	ppm	█ 393	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
 All component wear rates are normal. There is a light 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.

**Depot:** SCOSAI  
**Unique No:** 10885129  
**Signed:** Wes Davis  
**Report Date:** 19 Feb 2024

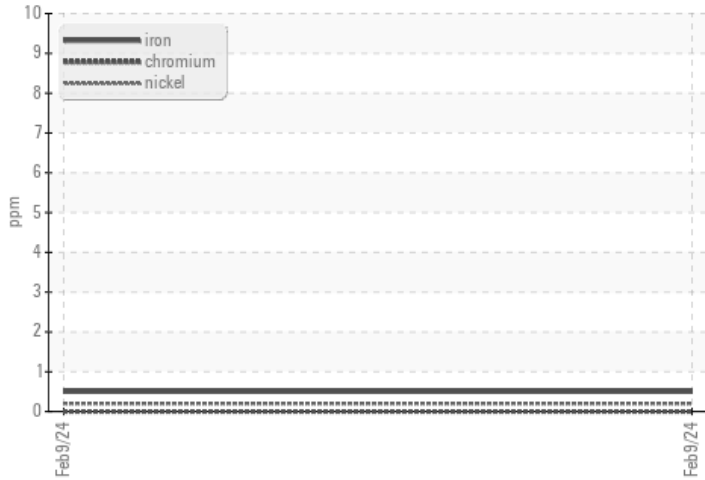


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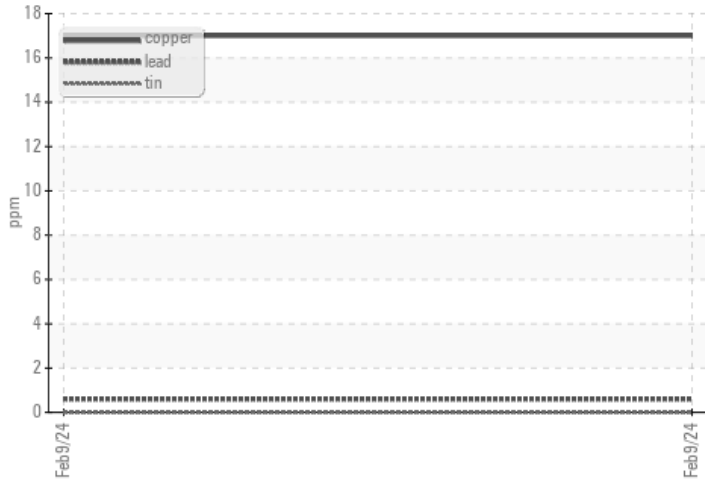


## GRAPHS

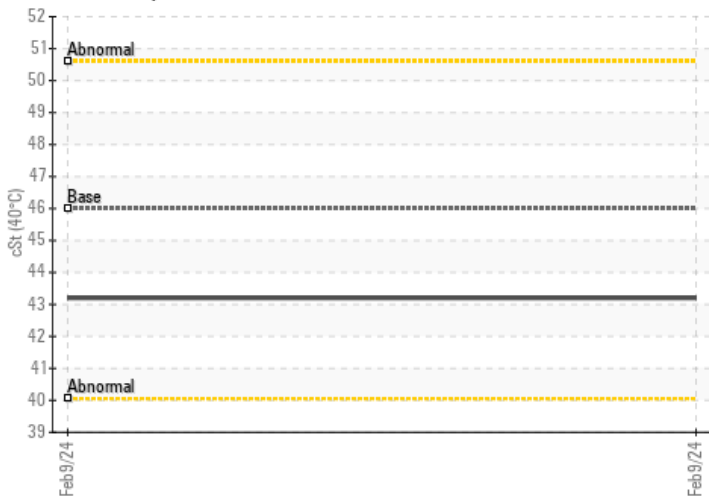
### Ferrous Alloys



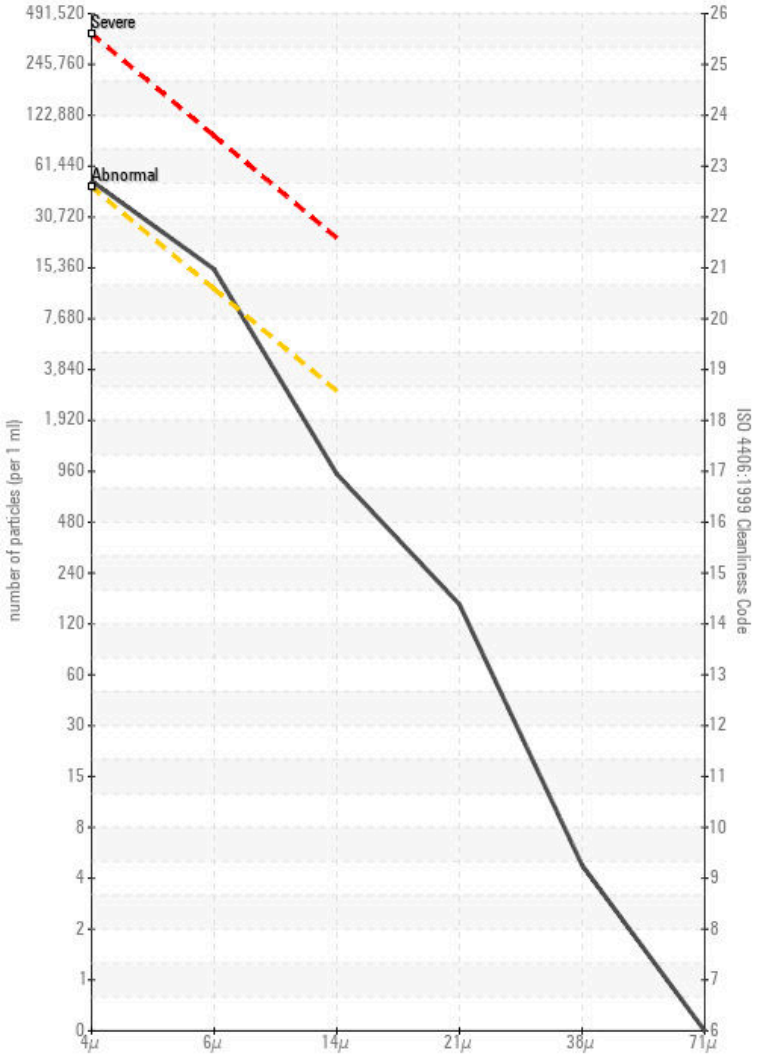
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

