



# CONSTRUCTION EQUIPMENT

W0229973 VOLVO EC280E 316085 - HYDRAULIC SYSTEM



**Sample No:** VCP428604  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** W0229973



**ROMCO INC**  
 1350 NE LOOP 820  
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 US 76106  
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## SAMPLE INFORMATION

Sample Number	VCP428604	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	6740	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 47.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.38	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 150645	---	---	---
Particles >6µm		▲ 76400	---	---	---
Particles >14µm		█ 1347	---	---	---
ISO 4406:1999 (c)		24/23/18	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 146	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 455	---	---	---
Phosphorus	ppm	█ 357	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

## 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 particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0081  
**Unique No:** 10874651  
**Signed:** Angela Borella  
**Report Date:** 14 Feb 2024

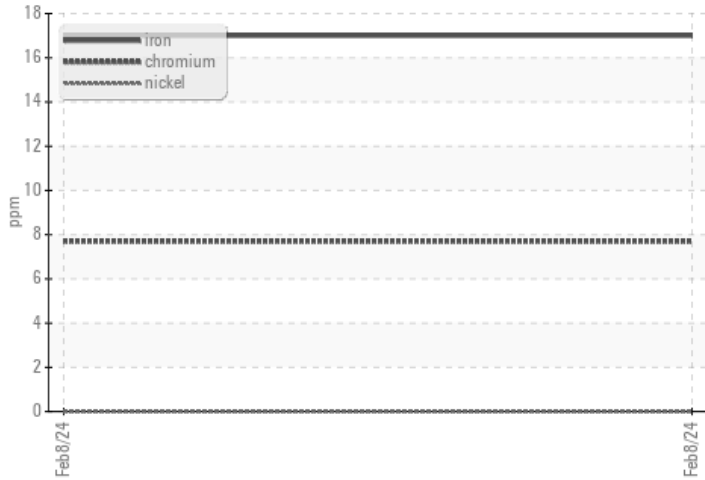


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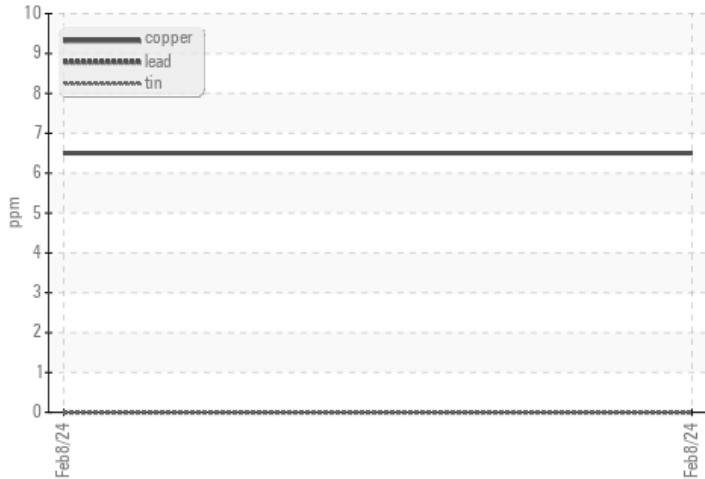


## GRAPHS

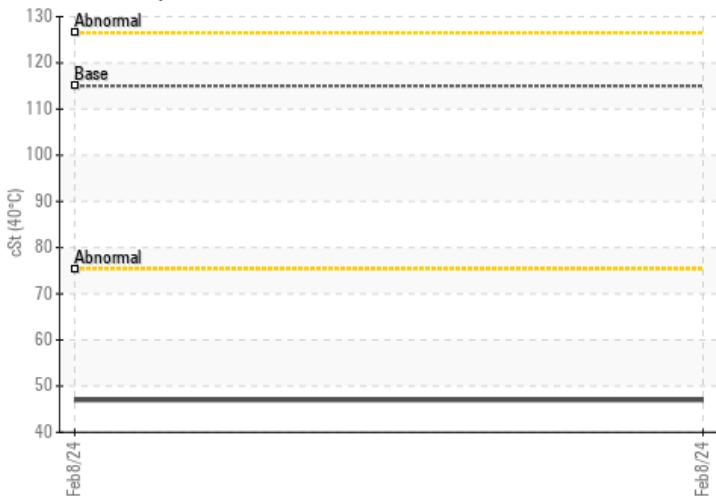
### Ferrous Alloys



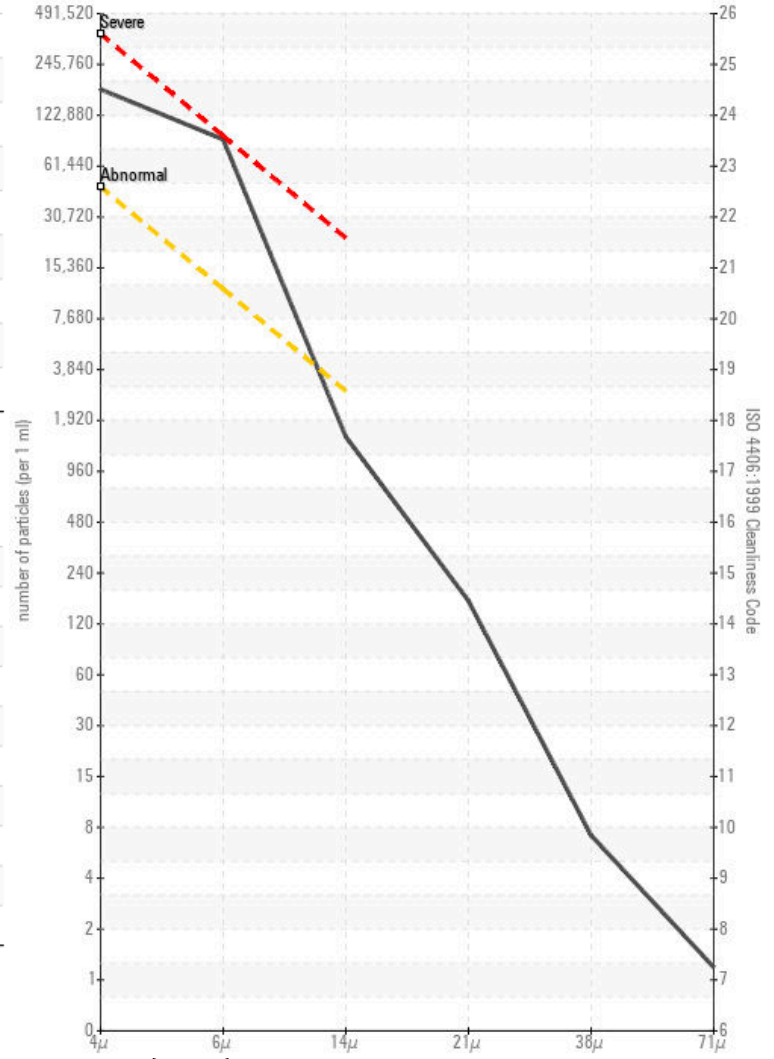
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

