



# CONSTRUCTION EQUIPMENT

## SPM688077 VOLVO A60H 340136 - HYDRAULIC SYSTEM



**Sample No:** VCP436239  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM688077



### SAMPLE INFORMATION

Sample Number	VCP436239	---	---	---
Sample Date	16 Mar 2024	---	---	---
Machine Hours	14660	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### BELSON STEEL

1685 N STATE RTE 50  
BOURBONNAIS, IL  
US 60914  
Contact: M. POZAN  
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T: (815)932-7416  
F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 31401	---	---	---
Particles >6µm		▲ 7429	---	---	---
Particles >14µm		▲ 336	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 362	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 526	---	---	---
Phosphorus	ppm	█ 441	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** BELBOU  
**Unique No:** 10989702  
**Signed:** Wes Davis  
**Report Date:** 22 Apr 2024

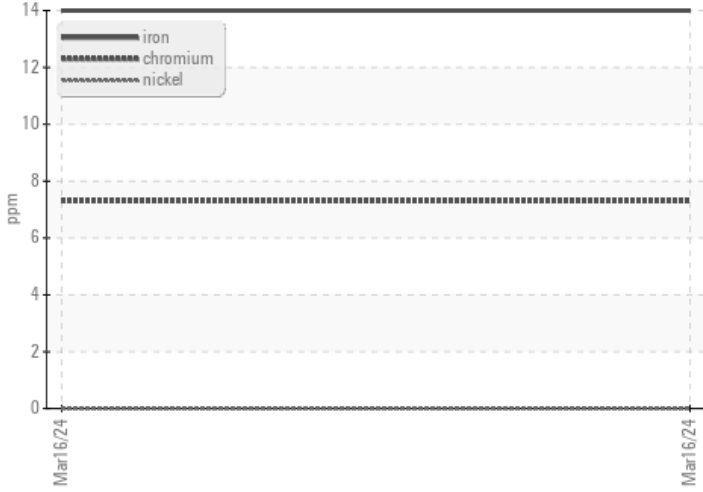


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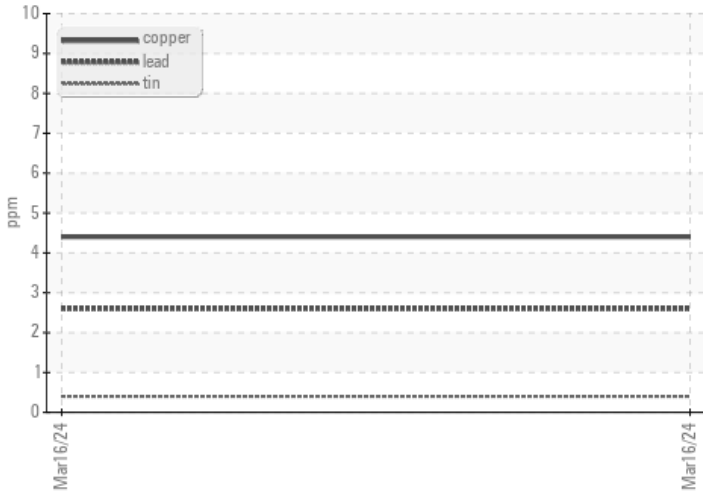


## GRAPHS

### Ferrous Alloys



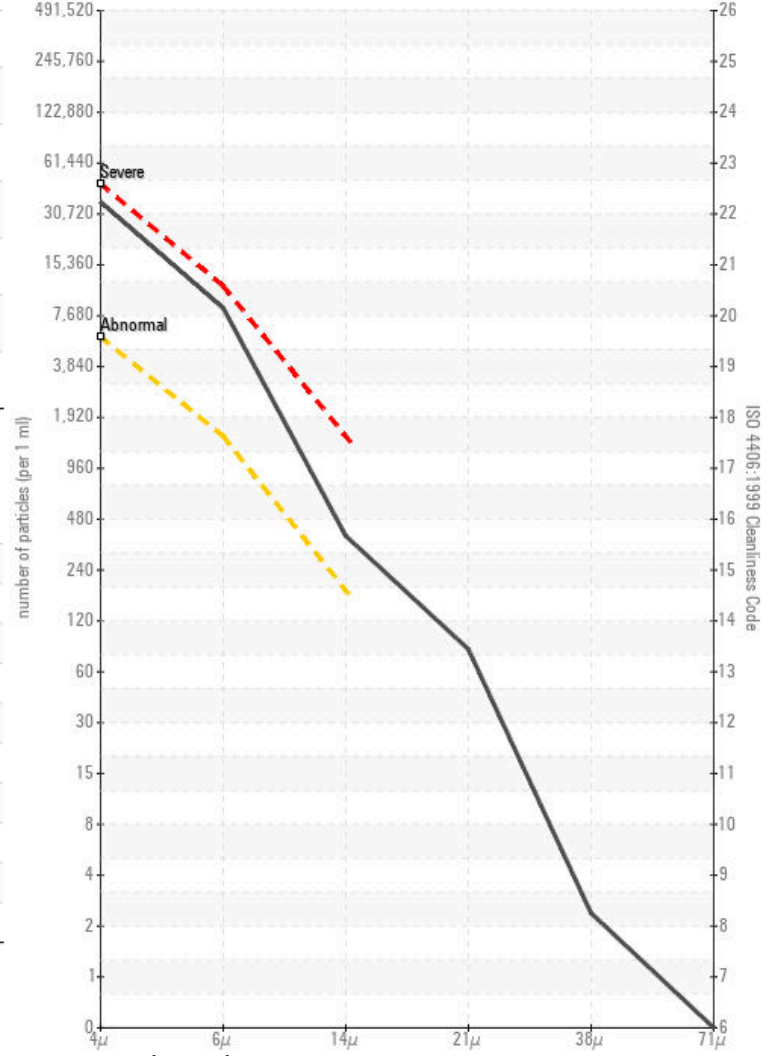
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

