



# CONSTRUCTION EQUIPMENT

## SWO-06927 VOLVO A60H 350020 - HYDRAULIC SYSTEM



**Sample No:** VCP431034  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWO-06927



### SAMPLE INFORMATION

Sample Number	VCP431034	---	---	---
Sample Date	23 Jan 2024	---	---	---
Machine Hours	7905	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

**SAIIA CONSTRUCTION LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 43.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 5861	---	---	---
Particles >6µm		█ 1241	---	---	---
Particles >14µm		█ 75	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <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	█ 13	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 93	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 454	---	---	---
Phosphorus	ppm	█ 329	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** SAIBIR  
**Unique No:** 10849424  
**Signed:** Don Baldrige  
**Report Date:** 30 Jan 2024

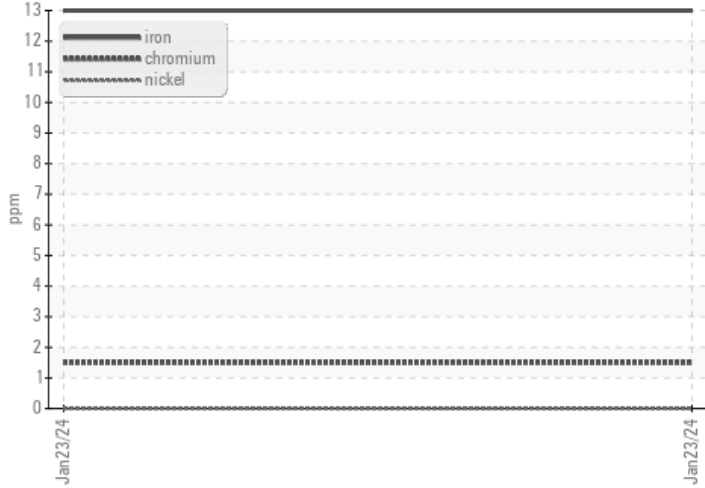


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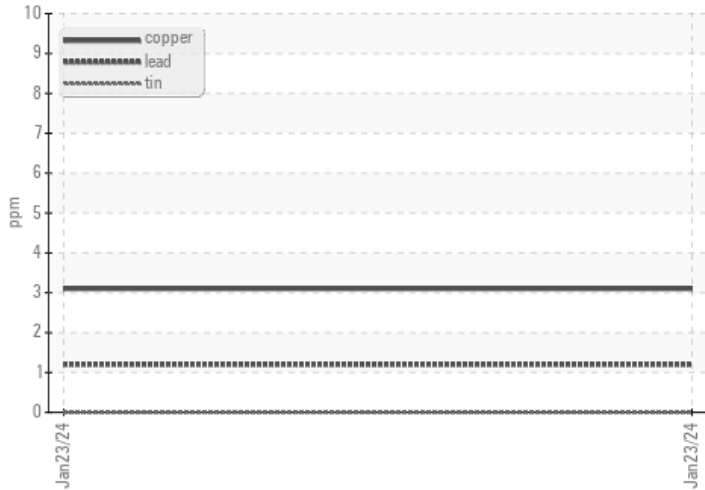


## GRAPHS

### Ferrous Alloys



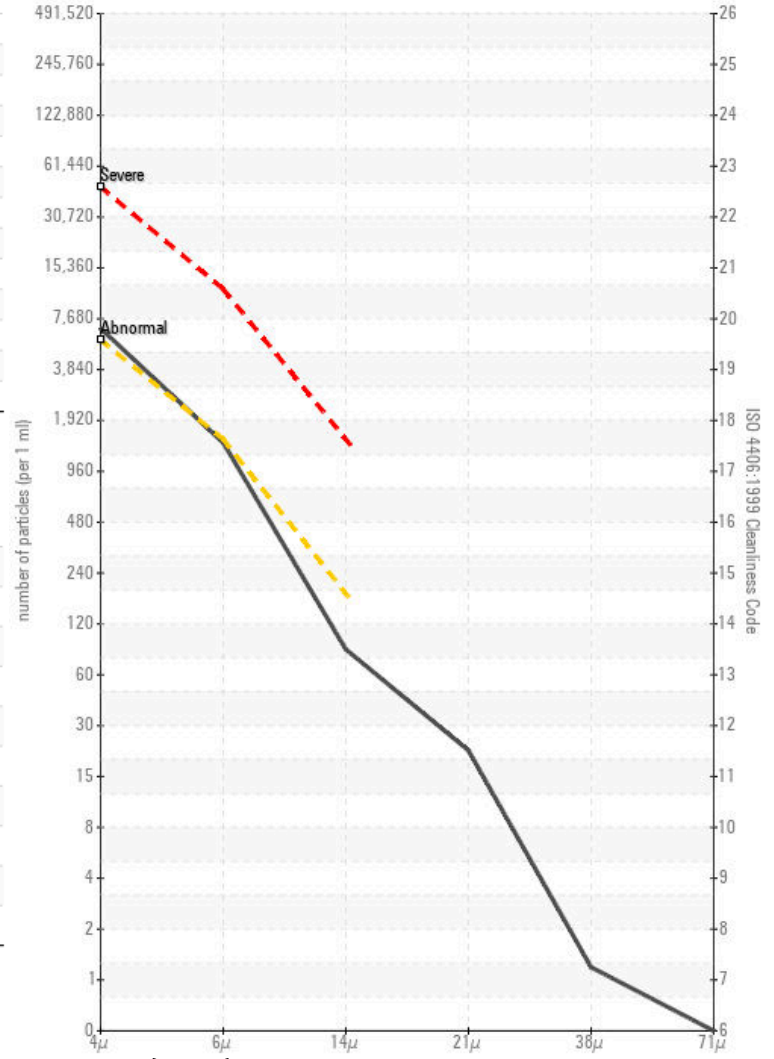
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

