



# CONSTRUCTION EQUIPMENT

## 302706 VOLVO EC380E 3 10693 - HYDRAULIC SYSTEM



**Sample No:** VCP297569  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 302706



### SAMPLE INFORMATION

Sample Number	VCP297569	---	---	---
Sample Date	25 Oct 2021	---	---	---
Machine Hours	3660	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIPMENT INC (STE- FOY)

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### OIL CONDITION

Visc @ 40°C	cSt	▲ 36.8	---	---	---
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### CONTAMINATION

Particles >4µm		■ 2253	---	---	---
Particles >6µm		■ 96	---	---	---
Particles >14µm		■ 5	---	---	---
ISO 4406:1999 (c)		18/14/10	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. La viscosité de l'échantillon se situe dans la portée de l'ISO 32; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

### WEAR METALS

Iron	ppm	■ 8	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	432	---	---	---
Magnesium	ppm	34	---	---	---
Zinc	ppm	■ 718	---	---	---
Phosphorus	ppm	■ 589	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 10	---	---	---

**Depot:** VOLVO0228  
**Unique No:** 5303944  
**Signed:** Kevin Marson  
**Report Date:** 28 Oct 2021

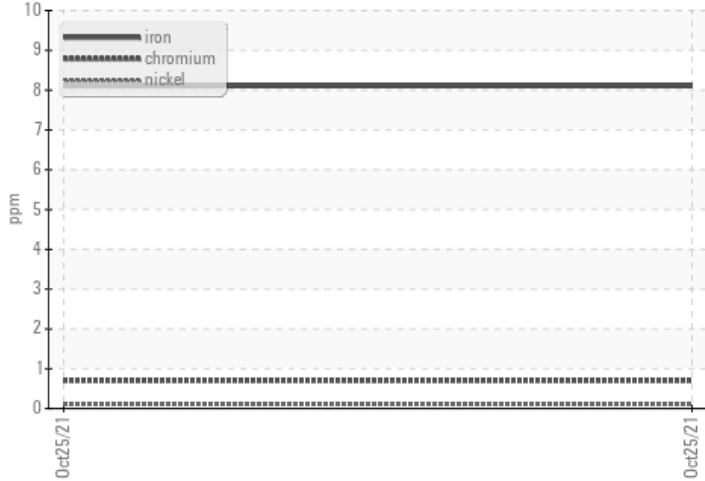


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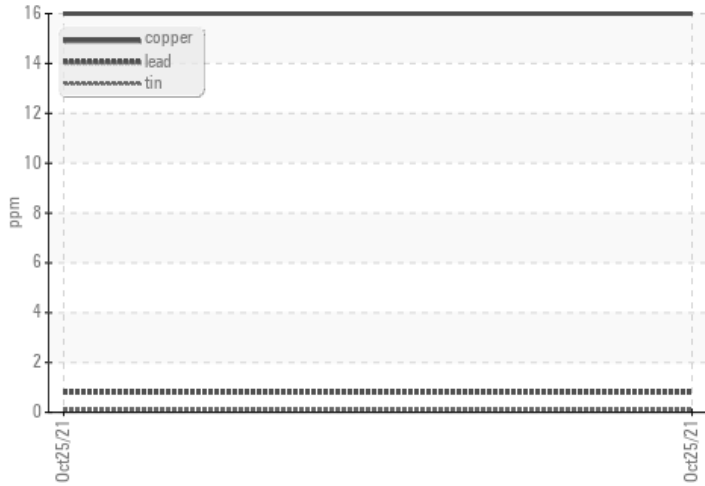


## GRAPHS

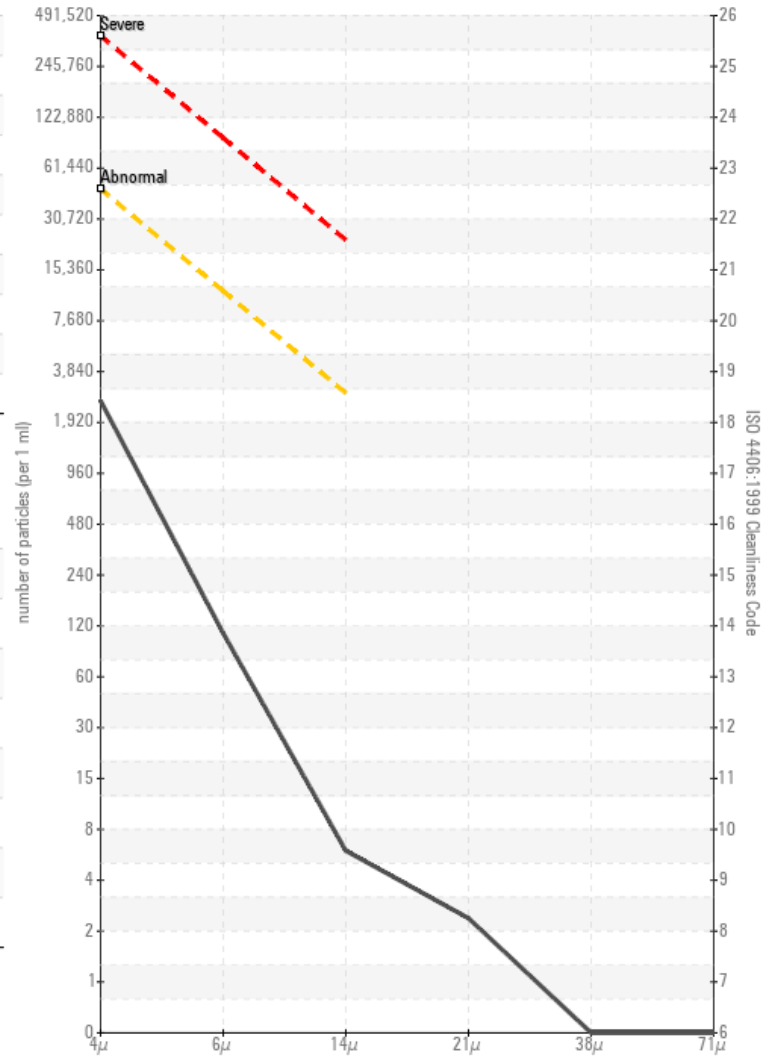
### Ferrous Alloys



### Non-ferrous Metals



### Particle Count



### Viscosity @ 40°C

