



# CONSTRUCTION EQUIPMENT

## 592764 VOLVO EC350 3 10708 - HYDRAULIC SYSTEM



**Sample No:** VCP443812  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 592764



### SAMPLE INFORMATION

Sample Number	VCP443812	VCP291172	---	---
Sample Date	01 Jul 2024	15 Oct 2020	---	---
Machine Hours	3516	1683	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	45.4	43.8	---	---
Acid Number (AN)	mg KOH/g	0.67	0.521	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		54196	2039	---	---
Particles >6µm		9099	344	---	---
Particles >14µm		817	35	---	---
ISO 4406:1999 (c)		23/20/17	18/16/12	---	---
Silicon	ppm	3	1	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	<1	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 6 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	7	4	---	---
Copper	ppm	15	22	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	0	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	418	99	---	---
Magnesium	ppm	6	2	---	---
Zinc	ppm	568	488	---	---
Phosphorus	ppm	474	375	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	1	---	---

**Depot:** VOLVO0093  
**Unique No:** 11111966  
**Signed:** Jonathan Hester  
**Report Date:** 08 Jul 2024

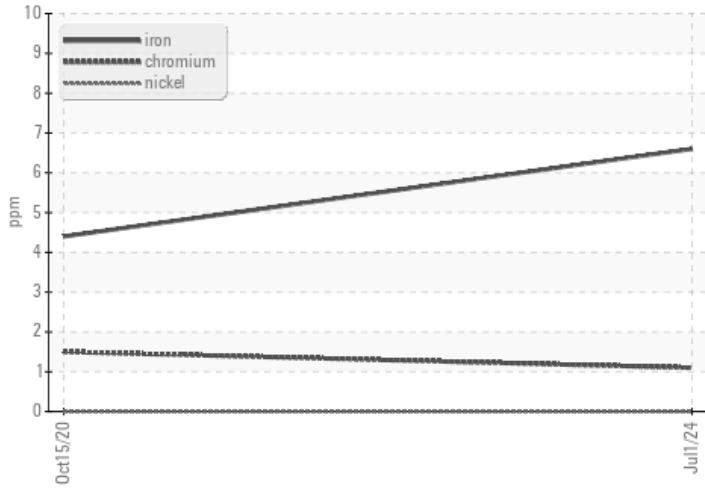


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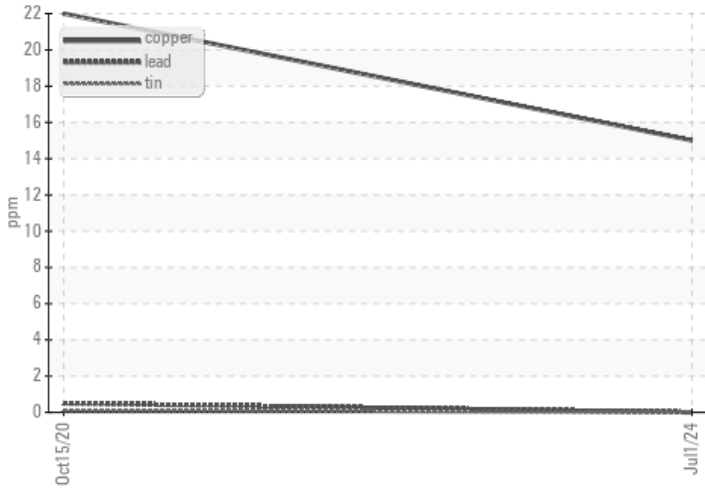


## GRAPHS

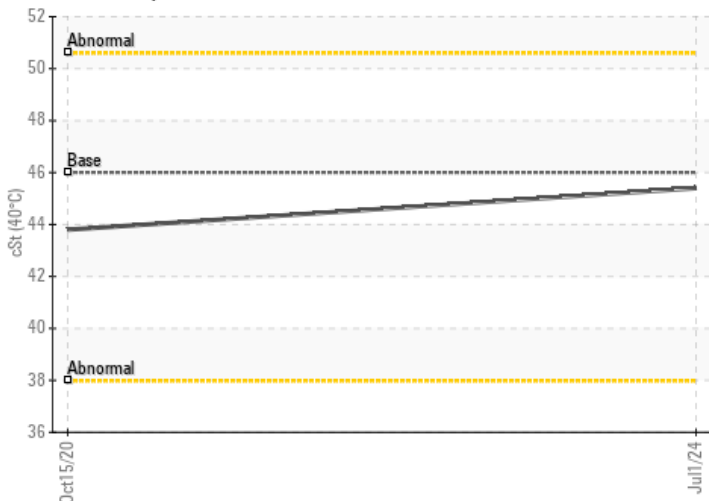
### Ferrous Alloys



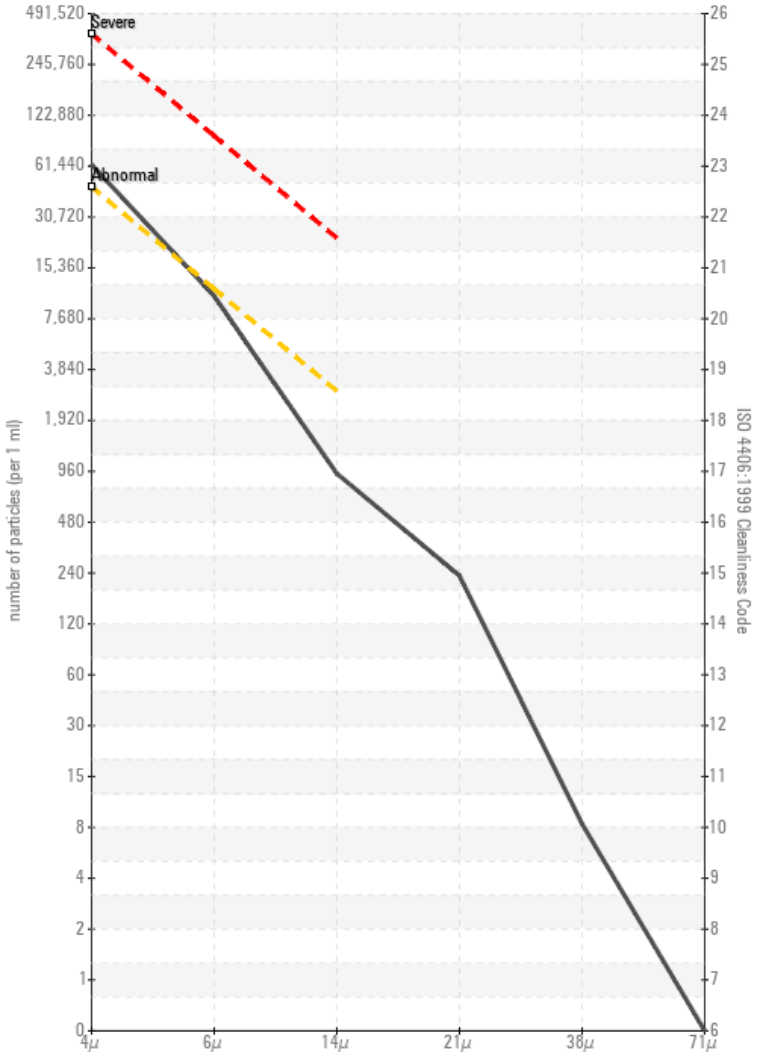
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

