



# CONSTRUCTION EQUIPMENT

8000255020 VOLVO L110F 70735 - HYDRAULIC SYSTEM



**Sample No:** VCP252274  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 8000255020



## SAMPLE INFORMATION

Sample Number	VCP252274	---	---	---
Sample Date	28 Aug 2020	---	---	---
Machine Hours	6747	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

## STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW  
 Acheson, AB  
 CA T7X 6C2

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## OIL CONDITION

Visc @ 40°C	cSt	■ 39.5	---	---	---
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## CONTAMINATION

Particles >4µm		■ 54235	---	---	---
Particles >6µm		▲ 10175	---	---	---
Particles >14µm		▲ 409	---	---	---
ISO 4406:1999 (c)		■ 23/21/16	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

## Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. Particles >14µm are abnormally high. Particles >21µm are abnormally high. Particles >6µm are abnormally high. The condition of the oil is acceptable for the time in service. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



## WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 63	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 432	---	---	---
Phosphorus	ppm	■ 336	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ <1	---	---	---

**Depot:** VOLVO3908  
**Unique No:** 5097498  
**Signed:** Wes Davis  
**Report Date:** 04 Sep 2020

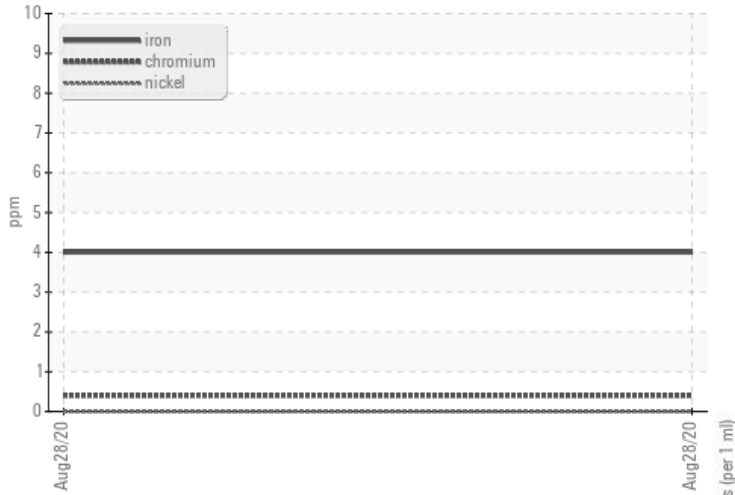


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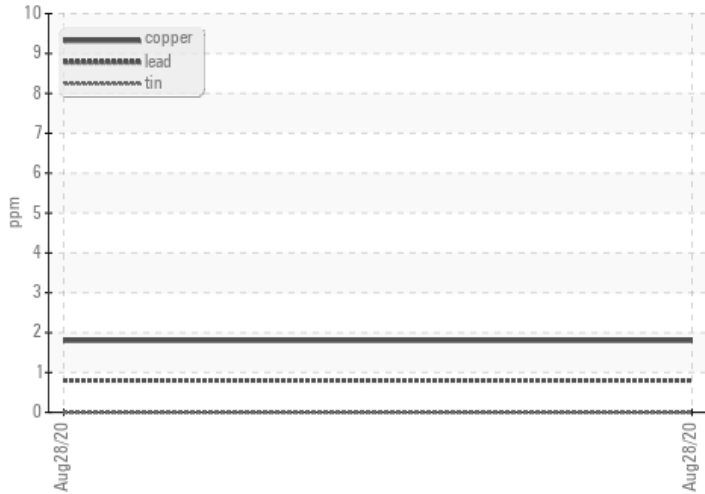


## VOLVO GRAPHS

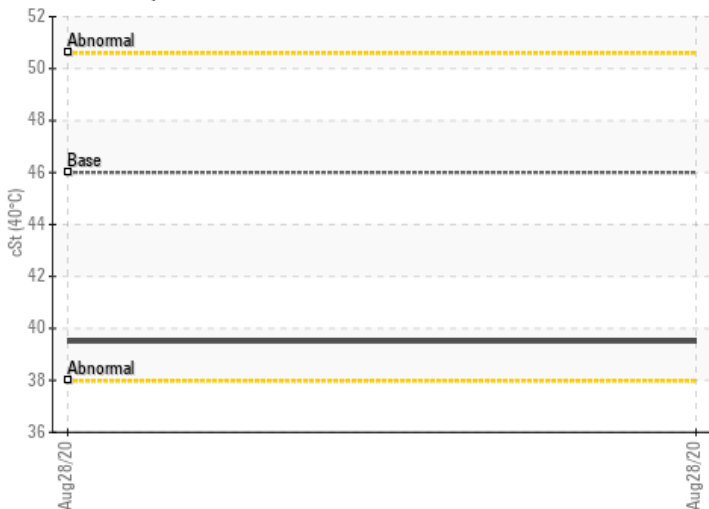
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

