



CONSTRUCTION EQUIPMENT

CRH 381451 VOLVO L110H 632194 - HYDRAULIC SYSTEM



Sample No: VCP380216
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 381451



SAMPLE INFORMATION

Sample Number	VCP380216	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	2098	---	---	---
Oil Hours	2098	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 40°C	cSt	■ 42.6	---	---	---
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CONTAMINATION

Particles >4µm		■ 35832	---	---	---
Particles >6µm		▲ 7679	---	---	---
Particles >14µm		▲ 112	---	---	---
ISO 4406:1999 (c)		■ 22/20/14	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Les taux d'usure de tous les composants sont normaux. Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.



WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 65	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 443	---	---	---
Phosphorus	ppm	■ 350	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: VOLV00228
Unique No: 5668554
Signed: Wes Davis
Report Date: 25 Oct 2023

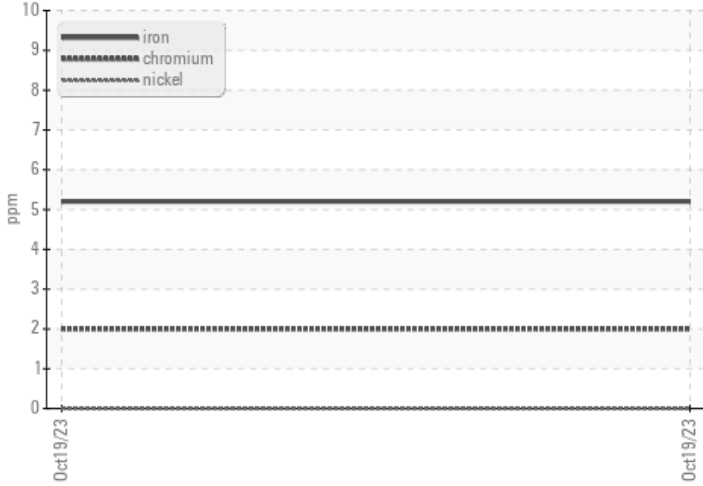


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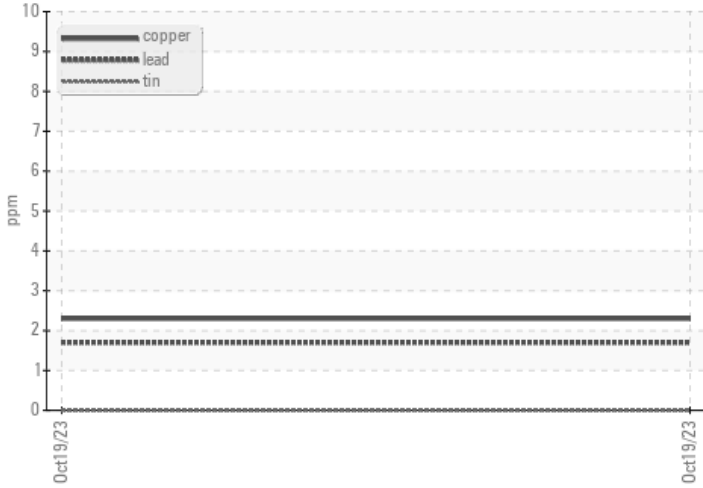


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count

