



CONSTRUCTION EQUIPMENT

BLC 405885 - HYDRAULIC SYSTEM



Sample No: VCP393110
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 405885

SAMPLE INFORMATION

Sample Number	VCP393110	VCP381801	VCP332533	---
Sample Date	27 May 2024	12 May 2023	20 Jul 2022	---
Machine Hours	6013	4250	2650	---
Oil Hours	2000	4000	2000	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	ABNORMAL	NORMAL	ABNORMAL	---

STRONGCO EQUIPMENT INC (STE- FOY)
 175, rue de Rotterdam
 St-Augustin-de-Desmaures, QC
 CA G3A 2K2
 Contact: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701

OIL CONDITION

Visc @ 40°C	cSt	43.2	42.3	43.0	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 12357	■ 1294	▲ 13713	---
Particles >6µm		■ 1213	■ 291	● 1769	---
Particles >14µm		■ 28	■ 25	■ 25	---
ISO 4406:1999 (c)		21/17/12	17/15/12	21/18/12	---
Silicon	ppm	■ 2	■ 4	■ 3	---
Sodium	ppm	■ 1	■ 4	■ 2	---
Potassium	ppm	■ <1	■ <1	■ <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	■ 4	■ 8	■ 5	---
Copper	ppm	■ 1	■ 2	■ 2	---
Lead	ppm	■ 0	■ 1	■ 1	---
Tin	ppm	■ 0	■ <1	■ 0	---
Aluminum	ppm	■ <1	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 2	■ <1	---
Molybdenum	ppm	■ 1	■ <1	■ <1	---
Nickel	ppm	■ 0	■ 0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 0	■ <1	■ 0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	■ 103	115	■ 113	---
Magnesium	ppm	■ 14	■ 4	■ 4	---
Zinc	ppm	■ 432	■ 432	■ 435	---
Phosphorus	ppm	■ 350	■ 381	■ 345	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 2	■ 1	■ <1	---

Depot: VOLVO0228
Unique No: 5788054
Signed: Wes Davis
Report Date: 31 May 2024

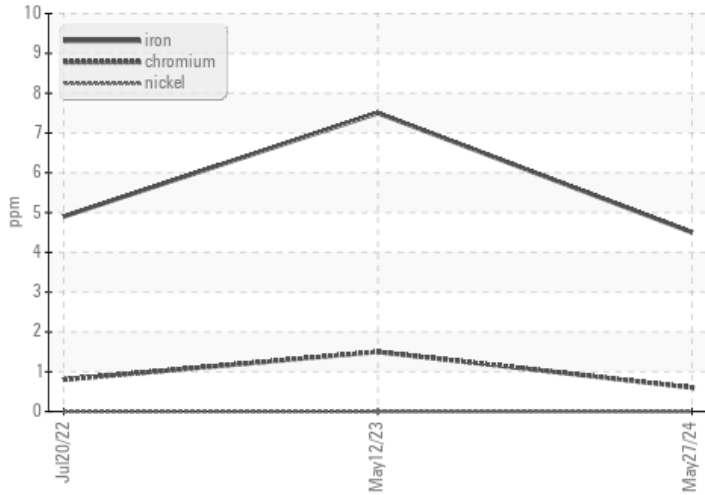


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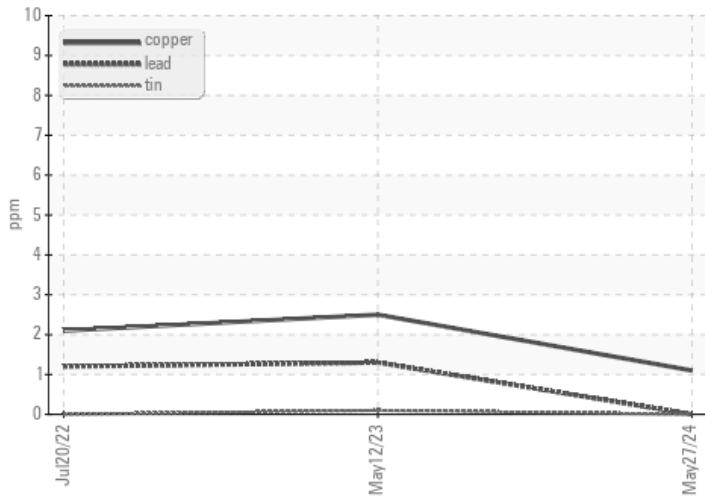


GRAPHS

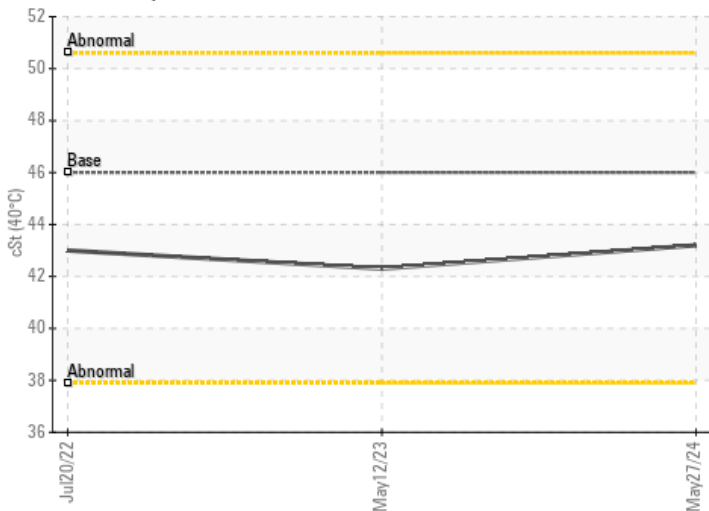
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

