



CONSTRUCTION EQUIPMENT

VOLVO L90H 625902 - HYDRAULIC SYSTEM



Sample No: VCP297661
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP297661	VCP352238	VCP333961	---
Sample Date	04 Dec 2023	11 Jul 2022	26 Jan 2022	---
Machine Hours	9113	4013	1991	---
Oil Hours	2000	0	2000	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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	41.4	41.4	42.7	---
-------------	-----	-------------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4346	616	5510	---
Particles >6µm		666	102	342	---
Particles >14µm		33	7	11	---
ISO 4406:1999 (c)		19/17/12	16/14/10	20/16/11	---
Silicon	ppm	17	15	6	---
Sodium	ppm	5	6	2	---
Potassium	ppm	3	3	1	---

Diagnosis

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. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

Iron	ppm	14	12	6	---
Copper	ppm	3	4	2	---
Lead	ppm	<1	1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	9	8	3	---
Chromium	ppm	1	2	<1	---
Molybdenum	ppm	1	<1	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	121	63	55	---
Magnesium	ppm	6	5	3	---
Zinc	ppm	431	414	437	---
Phosphorus	ppm	345	338	365	---
Barium	ppm	<1	0	0	---
Boron	ppm	3	<1	<1	---

Depot: VOLVO0228
Unique No: 5695953
Signed: Wes Davis
Report Date: 14 Dec 2023

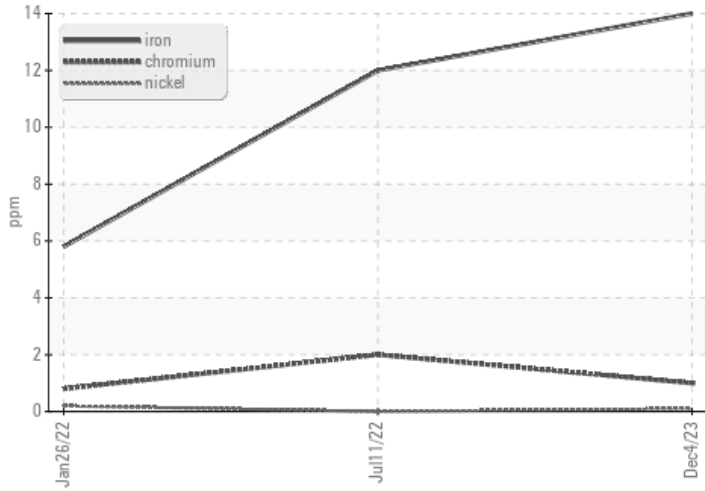


CONSTRUCTION EQUIPMENT

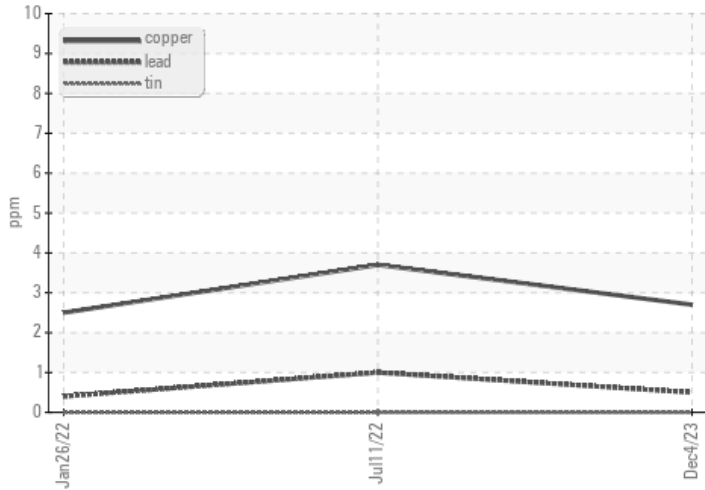


GRAPHS

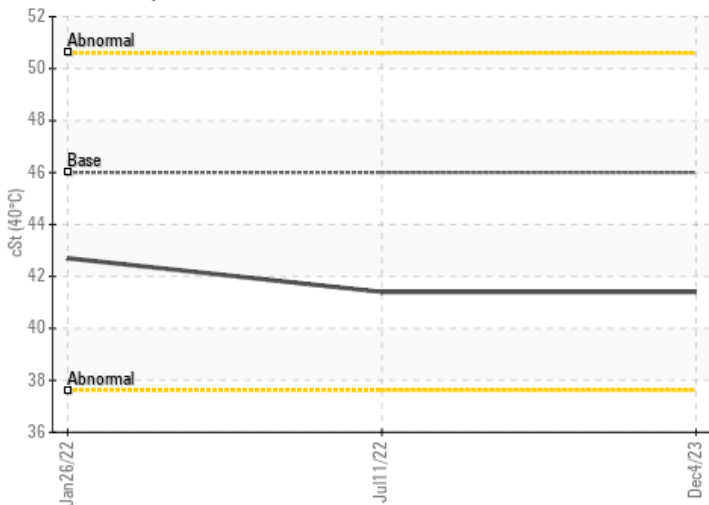
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

