



CONSTRUCTION EQUIPMENT

GDS GRANDE VALLE 404277 VOLVO L90H 625902 - HYDRAULIC SYSTEM



Sample No: VCP449451
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 404277



SAMPLE INFORMATION

Sample Number	VCP449451	VCP297661	VCP352238	VCP333961
Sample Date	23 May 2024	04 Dec 2023	11 Jul 2022	26 Jan 2022
Machine Hours	11166	9113	4013	1991
Oil Hours	0	2000	0	2000
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	ABNORMAL	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	42.0	41.4	41.4	42.7
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		31202	4346	616	5510
Particles >6µm		5436	666	102	342
Particles >14µm		107	33	7	11
ISO 4406:1999 (c)		22/20/14	19/17/12	16/14/10	20/16/11
Silicon	ppm	12	17	15	6
Sodium	ppm	2	5	6	2
Potassium	ppm	2	3	3	1

Diagnosis

Nous recommandons le remplacement des filtres de ce composant. 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	10	14	12	6
Copper	ppm	1	3	4	2
Lead	ppm	0	<1	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	7	9	8	3
Chromium	ppm	<1	1	2	<1
Molybdenum	ppm	0	1	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	251	121	63	55
Magnesium	ppm	4	6	5	3
Zinc	ppm	473	431	414	437
Phosphorus	ppm	381	345	338	365
Barium	ppm	0	<1	0	0
Boron	ppm	6	3	<1	<1

Depot: VOLVO0228
Unique No: 5788052
Signed: Wes Davis
Report Date: 31 May 2024

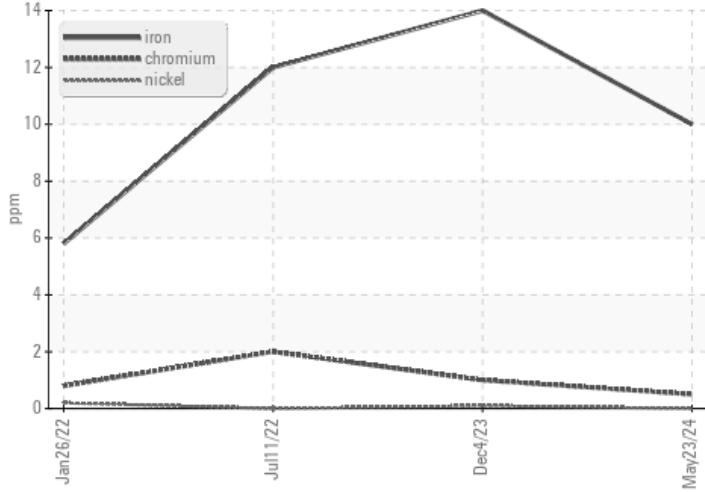


CONSTRUCTION EQUIPMENT

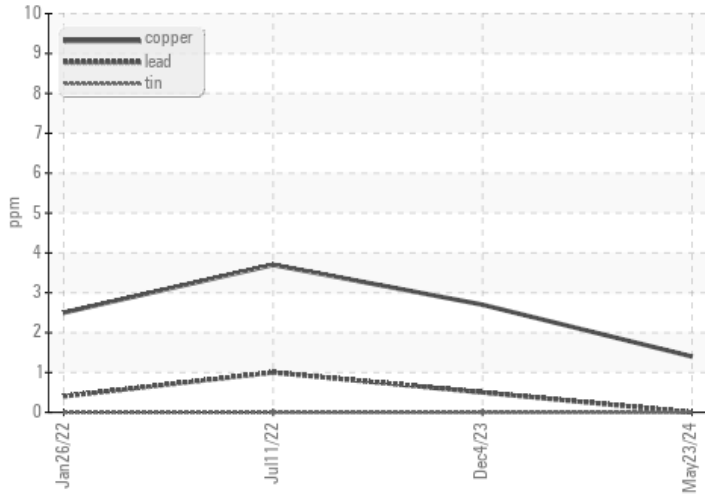


GRAPHS

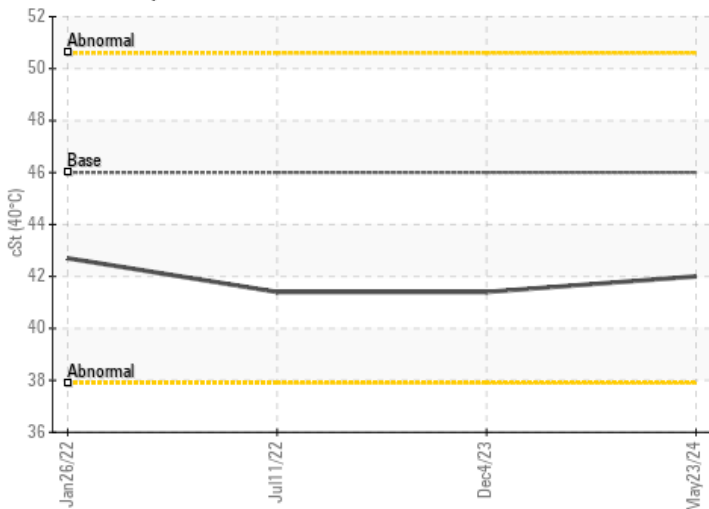
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

