



CONSTRUCTION EQUIPMENT

GDS MATANE 390776 VOLVO L110H 632254 - HYDRAULIC SYSTEM



Sample No: VCP393895
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 390776



SAMPLE INFORMATION

Sample Number	VCP393895	VCP352318	VCP332513	VCP347468
Sample Date	19 Jan 2024	17 Mar 2023	16 Aug 2022	06 May 2022
Machine Hours	13994	8792	4151	2062
Oil Hours	0	0	0	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 40°C	cSt	39.4	40.8	41.0	41.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1460	710	752	7898
Particles >6µm		135	125	72	327
Particles >14µm		11	14	4	7
ISO 4406:1999 (c)		18/14/11	17/14/11	17/13/9	20/16/10
Silicon	ppm	9	10	8	5
Sodium	ppm	3	3	3	1
Potassium	ppm	2	<1	2	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	5	9	12	7
Copper	ppm	1	2	3	2
Lead	ppm	<1	<1	1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	3	3	3	2
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	1	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1730	788	249	243
Magnesium	ppm	6	5	5	5
Zinc	ppm	837	610	461	472
Phosphorus	ppm	699	542	380	396
Barium	ppm	0	0	0	0
Boron	ppm	15	1	1	2

Depot: VOLVO0228
Unique No: 5735526
Signed: Kevin Marson
Report Date: 28 Feb 2024

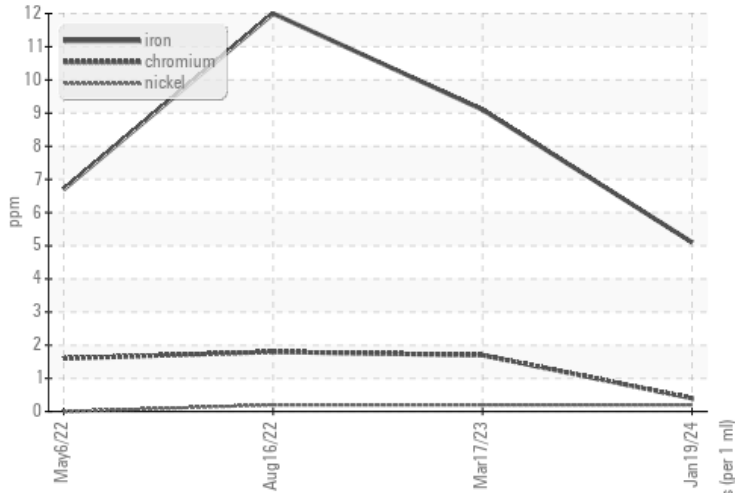


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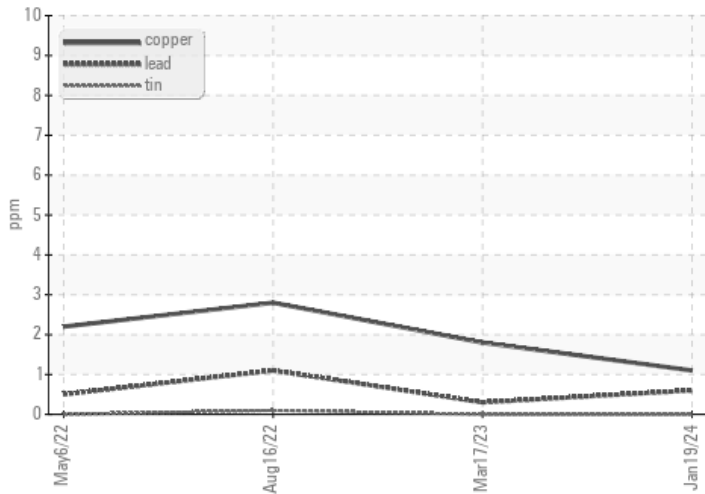


GRAPHS

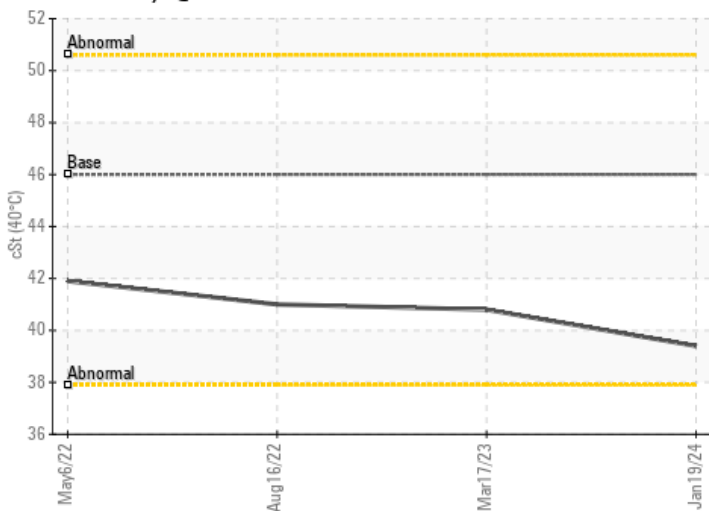
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

