



CONSTRUCTION EQUIPMENT

EXCAVATION MCBM INC VOLVO L90E 66967 - HYDRAULIC SYSTEM



Sample No: VCP394208

Oil Type: SHELL TELLUS S2 VX 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP394208	VCP272820	VCP272815	VCP212558
Sample Date	04 Dec 2023	14 Dec 2021	16 Dec 2020	22 Jan 2020
Machine Hours	18281	17274	16184	15205
Oil Hours	1000	5000	980	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



EXCAVATION MCBM INC

1383 ROUTE 122
ST-EDMOND- DE-GRANTHAM, QC
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Contact: Denis Foegues
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T: (819)395-2015

F:



OIL CONDITION

Visc @ 40°C	cSt	44.7	43.9	43.5	45.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2565	7762	3656	47141
Particles >6µm		378	739	472	1453
Particles >14µm		8	19	10	19
ISO 4406:1999 (c)		19/16/10	20/17/11	19/16/10	23/18/11
Silicon	ppm	2	4	5	4
Sodium	ppm	<1	1	1	0
Potassium	ppm	0	<1	<1	<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	2	4	3	2
Copper	ppm	1	2	2	1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	2	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	5	5	5
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	<1	<1
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	247	771	817	847
Magnesium	ppm	4	5	4	4
Zinc	ppm	372	488	516	506
Phosphorus	ppm	299	428	416	428
Barium	ppm	<1	0	<1	<1
Boron	ppm	2	3	3	3

Depot: EXC138STE

Unique No: 5694968

Signed: Kevin Marson

Report Date: 11 Dec 2023

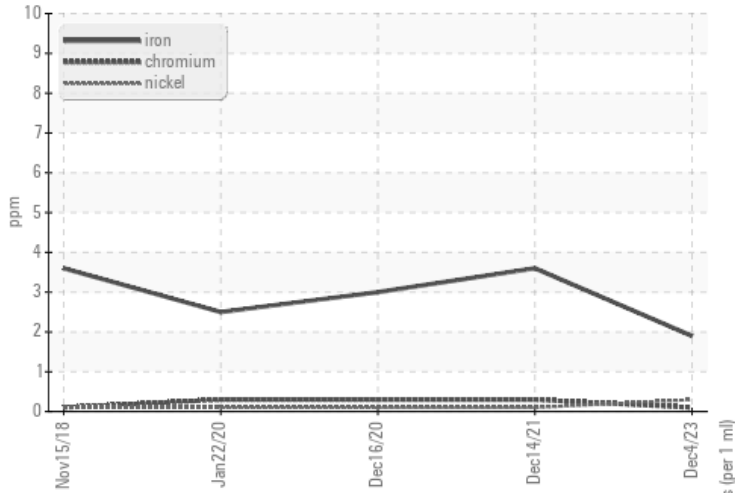


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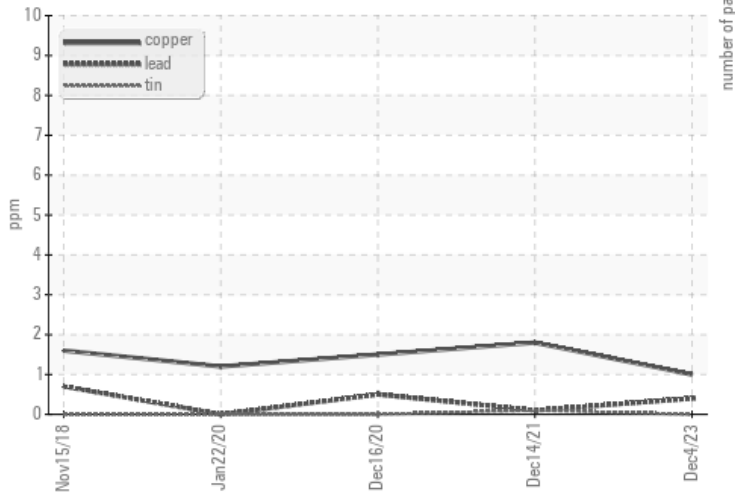


GRAPHS

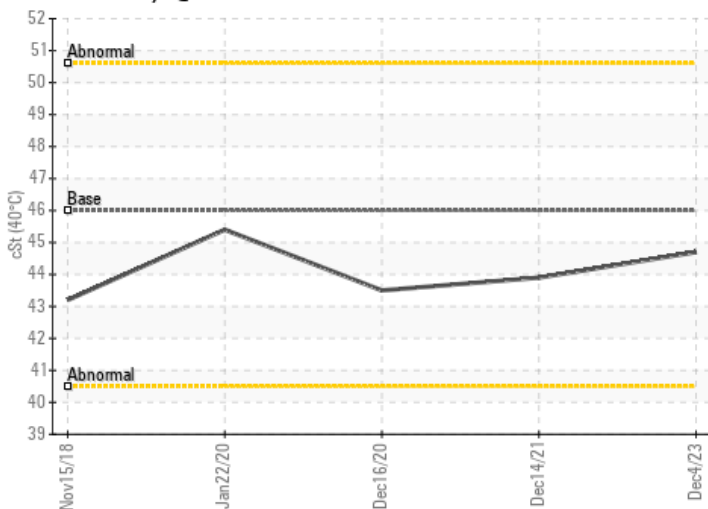
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

