



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	ABNORMAL

Area

GARAGE

Machine Id

JCB 509-42 5401-VMG-044 (S/N JCB5CF2GV02436601)

Component

Hydraulic System

Fluid

TDH FLUID SAE 75W80 (130 LTR)

RECOMMENDATION

Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0908381	WC0479729	---
Sample Date		Client Info		29 Feb 2024	13 Aug 2020	---
Machine Age	hrs	Client Info		4825	4241	---
Oil Age	hrs	Client Info		4825	0	---
Filter Age	hrs	Client Info		4825	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>20	6	6	---
Chromium	ppm	ASTM D5185(m)	>10	7	6	---
Nickel	ppm	ASTM D5185(m)	>10	0	0	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	---
Lead	ppm	ASTM D5185(m)	>10	0	<1	---
Copper	ppm	ASTM D5185(m)	>75	1	1	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

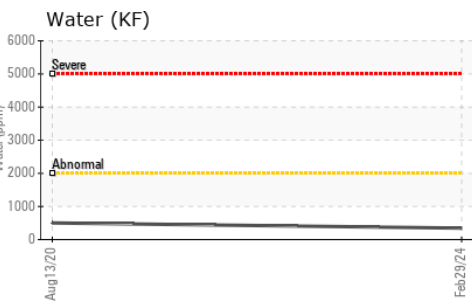
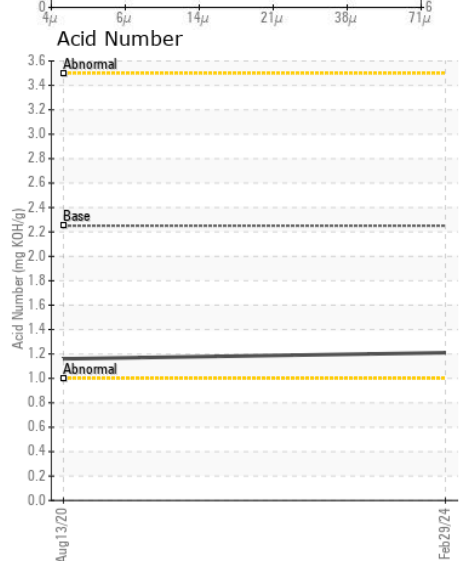
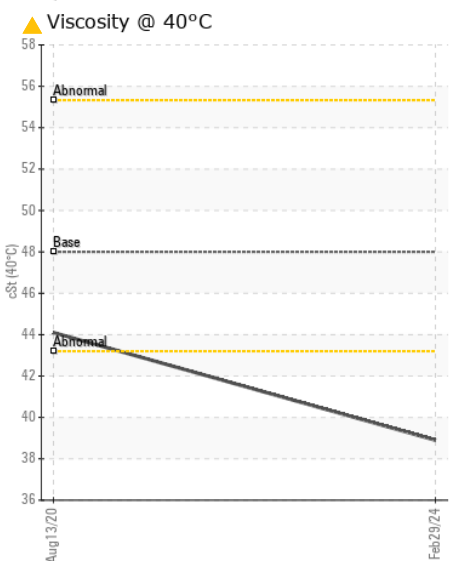
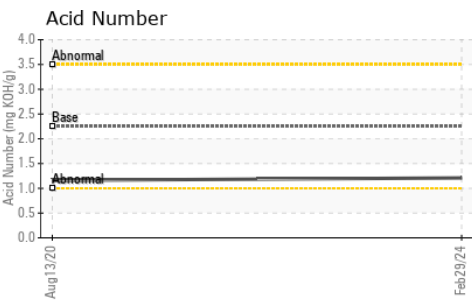
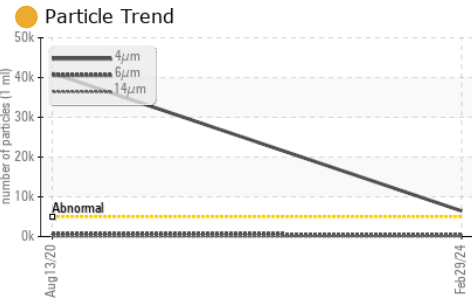
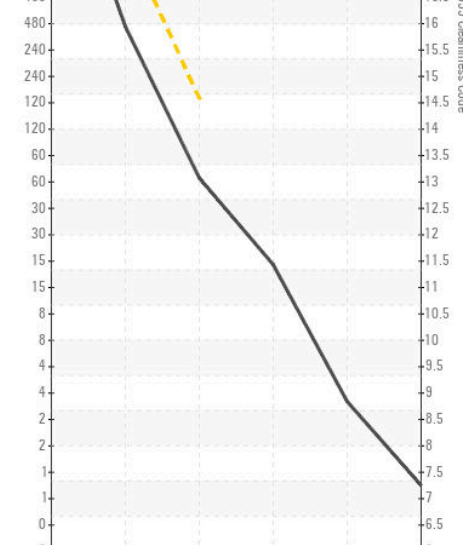
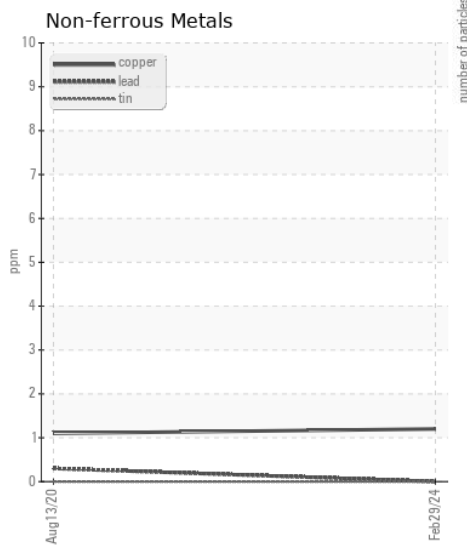
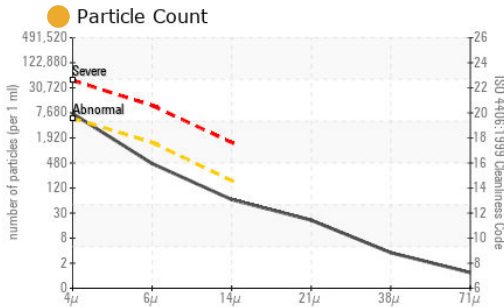
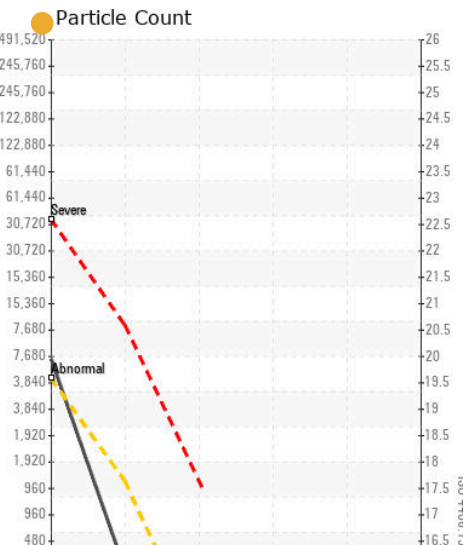
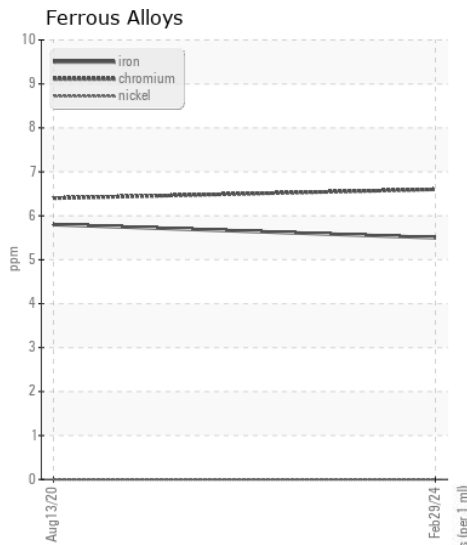
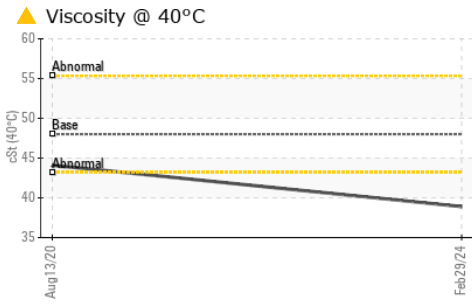
Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile. La teneur en eau est négligeable.

Silicon	ppm	ASTM D5185(m)	>20	5	7	---
Potassium	ppm	ASTM D5185(m)	>20	1	0	---
Water	%	ASTM D6304*	>0.2	0.034	0.050	---
ppm Water	ppm	ASTM D6304*	>2000	345	502.7	---
Particles >4µm		ASTM D7647	>5000	6451	▲ 41134	---
Particles >6µm		ASTM D7647	>1300	407	827	---
Particles >14µm		ASTM D7647	>160	56	67	---
Particles >21µm		ASTM D7647	>40	18	22	---
Particles >38µm		ASTM D7647	>10	3	1	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/13	▲ 23/17/13	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

La viscosité de l'huile est inférieure à la viscosité type, ce qui pourrait indiquer l'ajout d'un grade d'huile plus léger. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		4	3	---
Boron	ppm	ASTM D5185(m)	10	1	2	---
Barium	ppm	ASTM D5185(m)	10	2	3	---
Molybdenum	ppm	ASTM D5185(m)	10	0	<1	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	100	14	11	---
Calcium	ppm	ASTM D5185(m)	3500	2145	2077	---
Phosphorus	ppm	ASTM D5185(m)	1150	771	791	---
Zinc	ppm	ASTM D5185(m)	1150	924	905	---
Sulfur	ppm	ASTM D5185(m)	3000	2521	2552	---
Acid Number (AN)	mg KOH/g	ASTM D974*	2.25	1.21	1.16	---
Visc @ 40°C	cSt	ASTM D7279(m)	48	38.9	44.1	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0908381 **Received** : 08 Apr 2024
Lab Number : 02627327 **Tested** : 10 Apr 2024
Unique Number : 5760459 **Diagnosed** : 10 Apr 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.