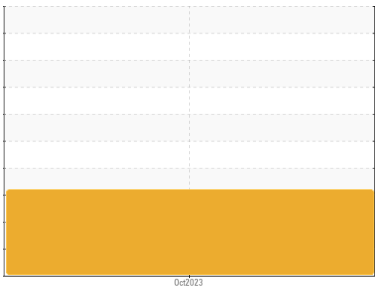
OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
JCB 508-66 10012304 (S/N 2574870)
Component
Front Differential
Fluid
{not provided} (5 GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear
All component wear rates are normal.

Contamination
There is a high concentration of water present in the oil.

Fluid Condition
The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**JCB005674**	---	---
Sample Date		Client Info		**01 Oct 2023**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

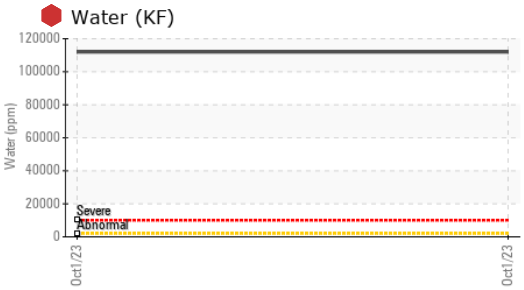
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**327**	---	---
Iron	ppm	ASTM D5185m	>500	**331**	---	---
Chromium	ppm	ASTM D5185m	>10	**2**	---	---
Nickel	ppm	ASTM D5185m	>10	**<1**	---	---
Titanium	ppm	ASTM D5185m		**<1**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>25	**2**	---	---
Lead	ppm	ASTM D5185m	>25	**2**	---	---
Copper	ppm	ASTM D5185m	>100	**78**	---	---
Tin	ppm	ASTM D5185m	>10	**7**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	---	---
Cadmium	ppm	ASTM D5185m		**<1**	---	---

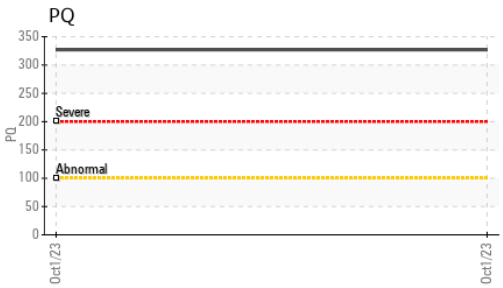
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**51**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**7**	---	---
Magnesium	ppm	ASTM D5185m		**14**	---	---
Calcium	ppm	ASTM D5185m		**1966**	---	---
Phosphorus	ppm	ASTM D5185m		**1062**	---	---
Zinc	ppm	ASTM D5185m		**1141**	---	---
Sulfur	ppm	ASTM D5185m		**11335**	---	---

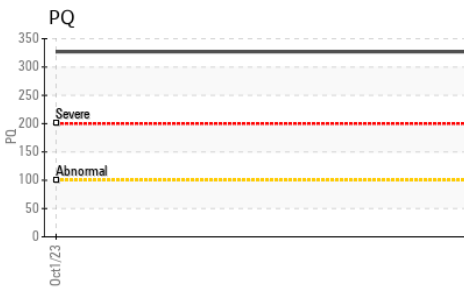
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**25**	---	---
Sodium	ppm	ASTM D5185m		**4**	---	---
Potassium	ppm	ASTM D5185m	>20	**<1**	---	---
Water	%	ASTM D6304	>.2	**11.2**	---	---
ppm Water	ppm	ASTM D6304	>2000	**112000**	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>.2	**0.2%**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

OIL ANALYSIS REPORT



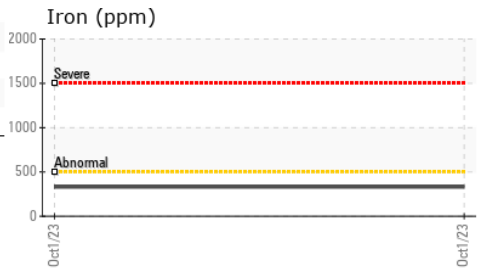


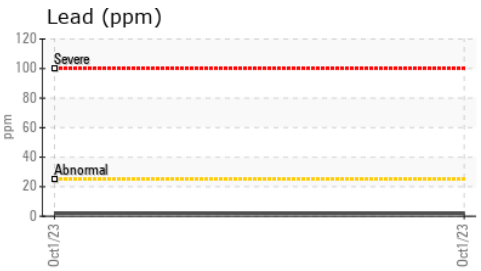


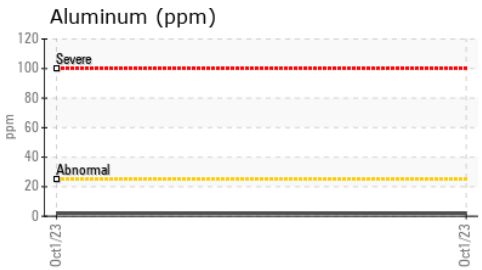
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**184**	---	---

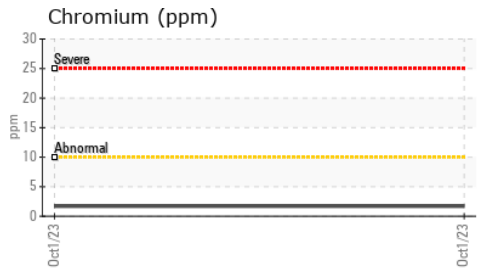
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

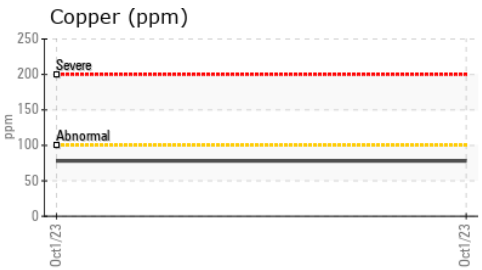
GRAPHS

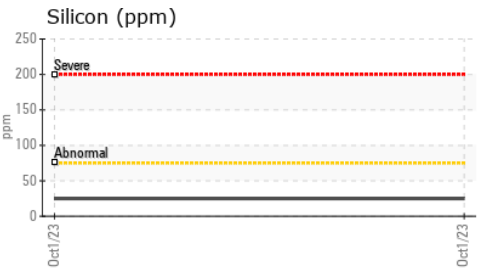


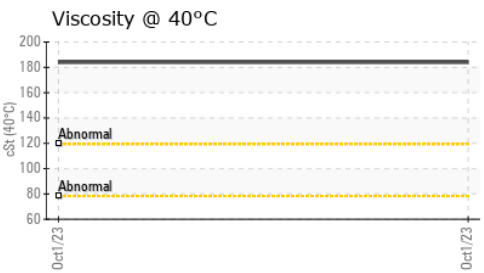


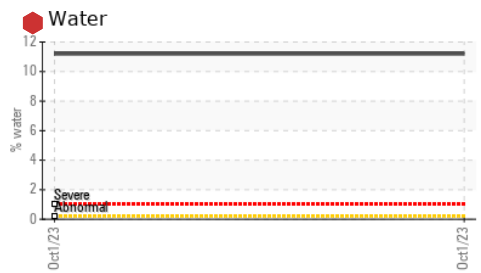












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JCB005674 **Received** : 02 Oct 2023
Lab Number : 05966609 **Diagnosed** : 04 Oct 2023
Unique Number : 10673160 **Diagnostician** : Jonathan Hester
Test Package : MOB 1 (Additional Tests: KF, PQ)

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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