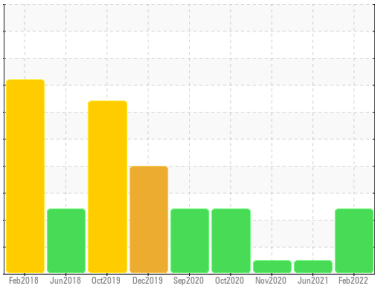
PROBLEM SUMMARY

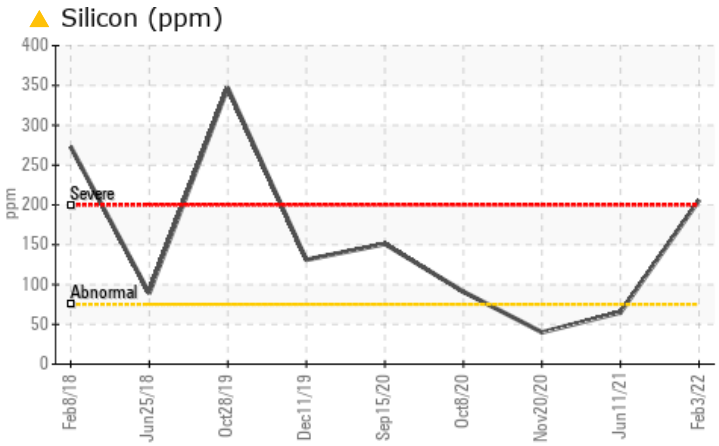
Area
KANSAS/44/EG - EXCAVATOR
Machine Id
20.12W [KANSAS^44^EG - EXCAVATOR]
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

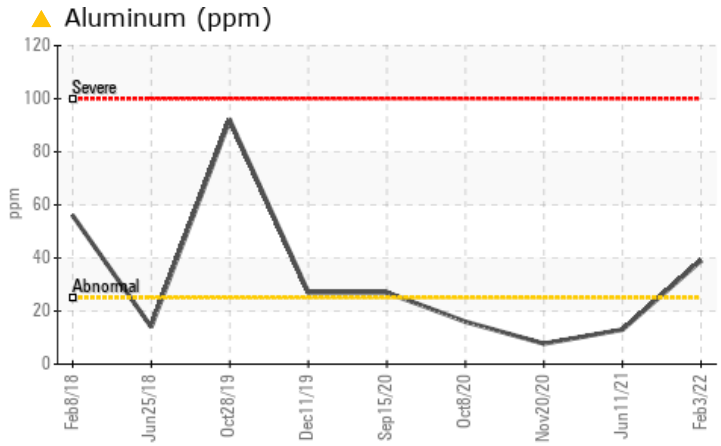
Sample Rating Trend



DIRT

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	>25	▲ **39**	13	8
Silicon	ppm	ASTM D5185m	>75	▲ **206**	65	40

Customer Id: SHEWIC
Sample No.: WC0584804
Lab Number: 05466578
Test Package: MOBCE

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Dirt Access	SKIPPED	Mar 03 2022	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

11 Jun 2021 Diag: Don Baldridge

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

view report

20 Nov 2020 Diag: Don Baldridge

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report

08 Oct 2020 Diag: Don Baldridge

DIRT

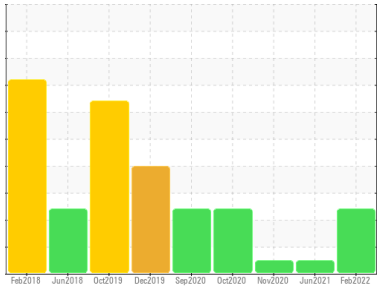
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Area
KANSAS/44/EG - EXCAVATOR
Machine Id
20.12W [KANSAS^44^EG - EXCAVATOR]
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



DIRT

DIAGNOSIS

Recommendation
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		**WC0584804**	WC0585739	WC0453661
Sample Date	Client Info		**03 Feb 2022**	11 Jun 2021	20 Nov 2020
Machine Age	Client Info		**6087**	5866	5635
Oil Age	Client Info		**5775**	0	0
Oil Changed	Client Info		**Not Changd**	Not Changd	Changed
Sample Status			**ABNORMAL**	NORMAL	NORMAL

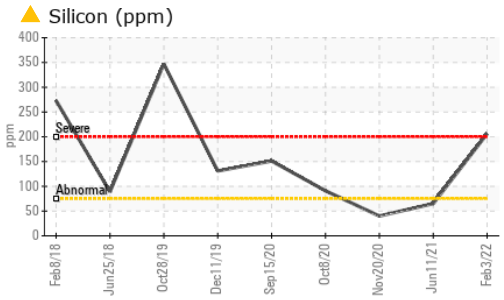
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**348**	121	95
Chromium	ppm	ASTM D5185m	>10	**4**	1	1
Nickel	ppm	ASTM D5185m		**3**	<1	<1
Titanium	ppm	ASTM D5185m		**2**	<1	1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	▲ **39**	13	8
Lead	ppm	ASTM D5185m	>25	**1**	<1	0
Copper	ppm	ASTM D5185m	>50	**1**	<1	<1
Tin	ppm	ASTM D5185m	>10	**<1**	<1	0
Antimony	ppm	ASTM D5185m		**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	<1	0

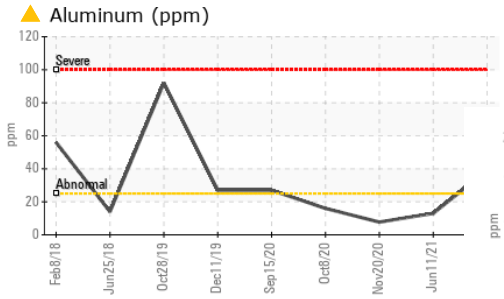
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**3**	10	2
Barium	ppm	ASTM D5185m		**0**	0	<1
Molybdenum	ppm	ASTM D5185m		**<1**	<1	0
Manganese	ppm	ASTM D5185m		**3**	1	<1
Magnesium	ppm	ASTM D5185m		**18**	16	12
Calcium	ppm	ASTM D5185m		**3195**	3208	3010
Phosphorus	ppm	ASTM D5185m		**1066**	1066	945
Zinc	ppm	ASTM D5185m		**1250**	1300	1178
Sulfur	ppm	ASTM D5185m		**11616**	11844	10385

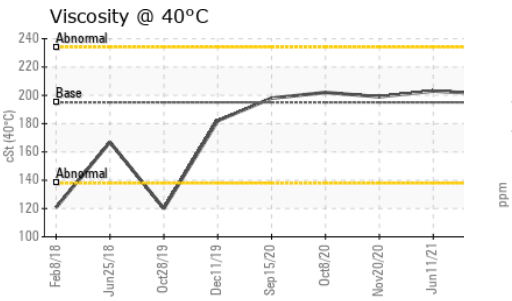
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ **206**	65	40
Sodium	ppm	ASTM D5185m		**8**	3	2
Potassium	ppm	ASTM D5185m	>20	**15**	5	6

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

OIL ANALYSIS REPORT



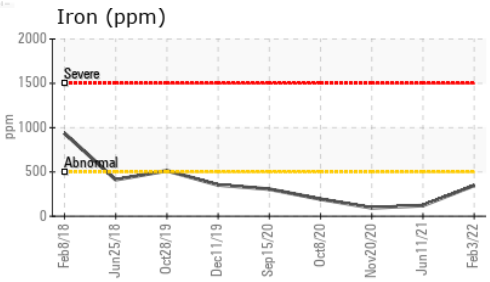


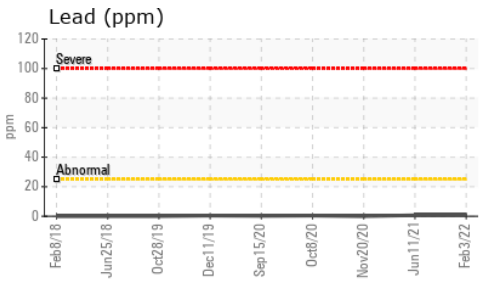


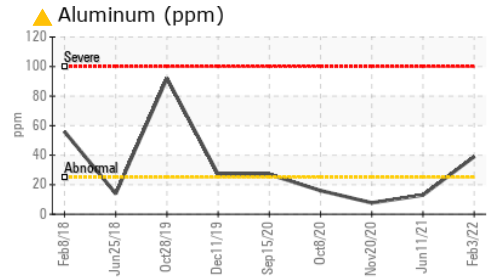
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	**201**	203	199

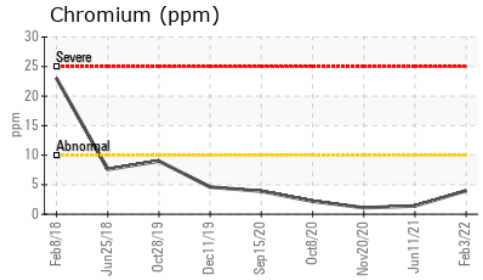
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

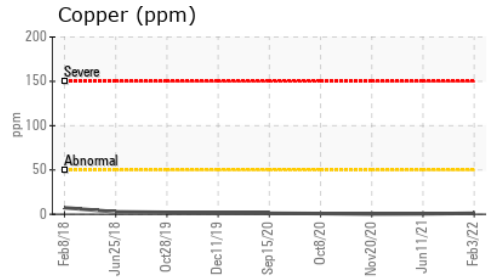
GRAPHS

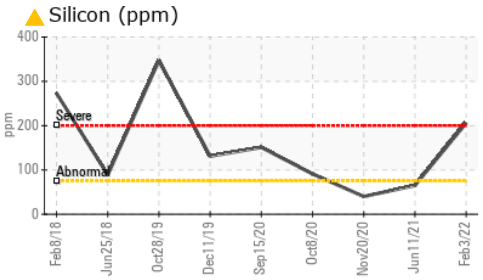


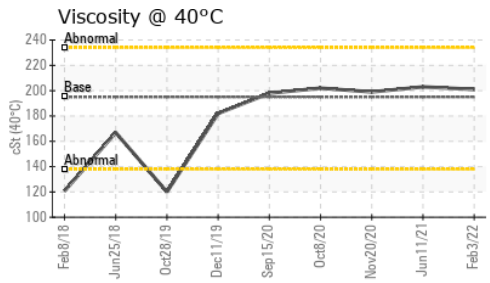


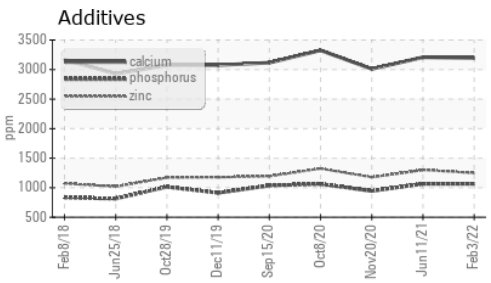












Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC0584804	**Received**	: 11 Feb 2022
Lab Number	: 05466578	**Diagnosed**	: 14 Feb 2022
Unique Number	: 9850791	**Diagnostician**	: Don Baldridge
Test Package	: MOBCE		

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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