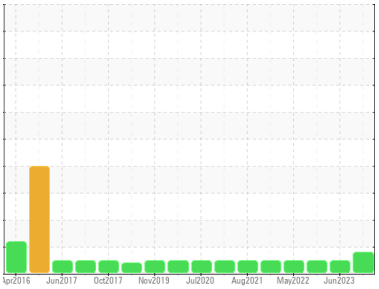
PROBLEM SUMMARY

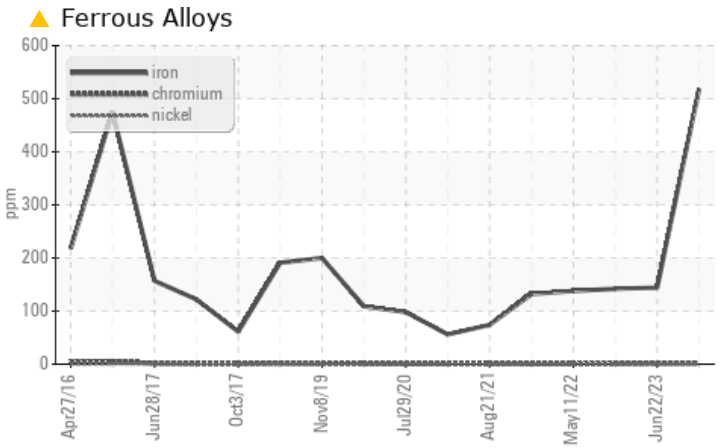
Area
OKLAHOMA/102/EG - EXCAVATOR
Machine Id
20.141L [OKLAHOMA^102^EG - EXCAVATOR]
Component
Rear Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



WEAR

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 7125 hrs)

PROBLEMATIC TEST RESULTS

Sample Status				**ATTENTION**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>800	▲ **518**	144	142

Customer Id: SHEWIC
Sample No.: WC0819977
Lab Number: 05928460
Test Package: CONST

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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

22 Jun 2023 Diag: Jonathan Hester

NORMAL

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

view report

10 Oct 2022 Diag: Jonathan Hester

NORMAL

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

view report

11 May 2022 Diag: Jonathan Hester

NORMAL

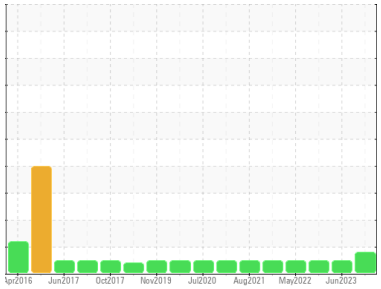
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Area
OKLAHOMA/102/EG - EXCAVATOR
Machine Id
20.141L [OKLAHOMA^102^EG - EXCAVATOR]
Component
Rear Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



WEAR

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 7125 hrs)

Wear
An increase in the iron level is noted. All other component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

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		**WC0819977**	WC0820003	WC0649333
Sample Date		Client Info		**10 Aug 2023**	22 Jun 2023	10 Oct 2022
Machine Age	hrs	Client Info		**7125**	6976	6453
Oil Age	hrs	Client Info		**6148**	6148	6453
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ATTENTION**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	▲ **518**	144	142
Chromium	ppm	ASTM D5185m	>10	**2**	1	<1
Nickel	ppm	ASTM D5185m	>5	**0**	<1	0
Titanium	ppm	ASTM D5185m	>15	**3**	1	<1
Silver	ppm	ASTM D5185m	>2	**0**	0	<1
Aluminum	ppm	ASTM D5185m	>75	**36**	7	6
Lead	ppm	ASTM D5185m	>10	**0**	2	1
Copper	ppm	ASTM D5185m	>75	**0**	<1	0
Tin	ppm	ASTM D5185m	>8	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**1**	3	0
Barium	ppm	ASTM D5185m		**<1**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	3	2
Manganese	ppm	ASTM D5185m		**4**	2	2
Magnesium	ppm	ASTM D5185m		**41**	43	37
Calcium	ppm	ASTM D5185m		**3222**	3039	3027
Phosphorus	ppm	ASTM D5185m		**1060**	1015	970
Zinc	ppm	ASTM D5185m		**1309**	1288	1275
Sulfur	ppm	ASTM D5185m		**11596**	11234	10885

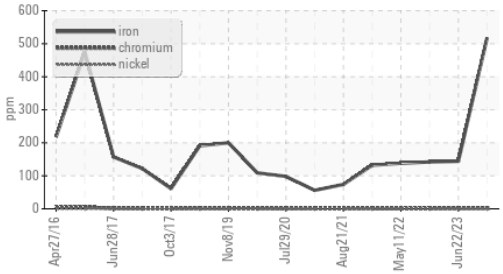
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	**236**	41	48
Sodium	ppm	ASTM D5185m		**6**	3	2
Potassium	ppm	ASTM D5185m	>20	**11**	4	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	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

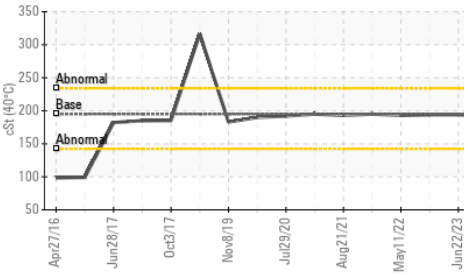
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	**192**	194	194

OIL ANALYSIS REPORT

Ferrous Alloys



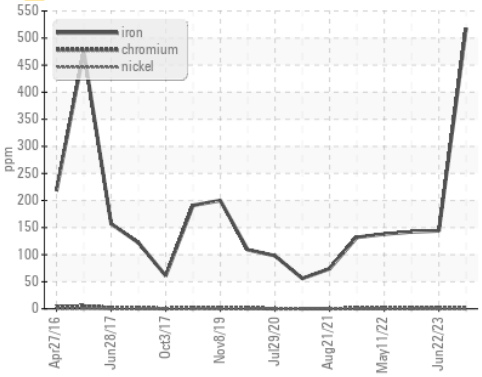
Viscosity @ 40°C



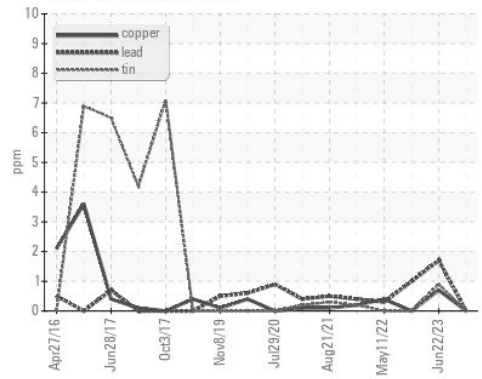
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

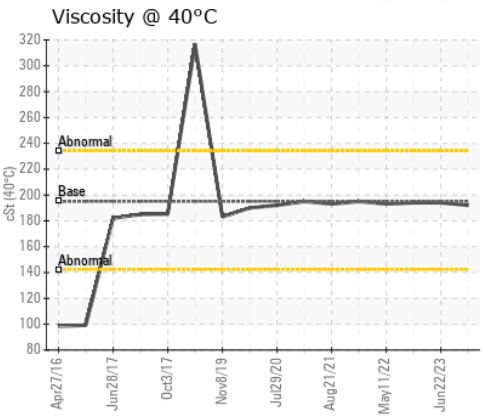
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0819977
Lab Number : 05928460
Unique Number : 10608407
Test Package : CONST

Received : 18 Aug 2023
Diagnosed : 21 Aug 2023
Diagnostician : Don Baldridge

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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Report Id: SHEWIC [WUSCAR] 05928460 (Generated: 08/21/2023 14:45:17) Rev: 1

Submitted By: LOUIS BRESHEARS