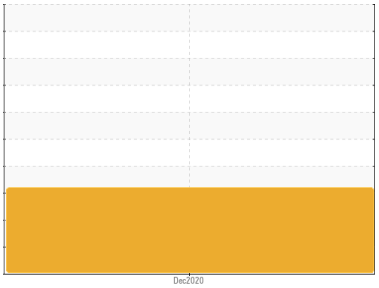
PROBLEM SUMMARY

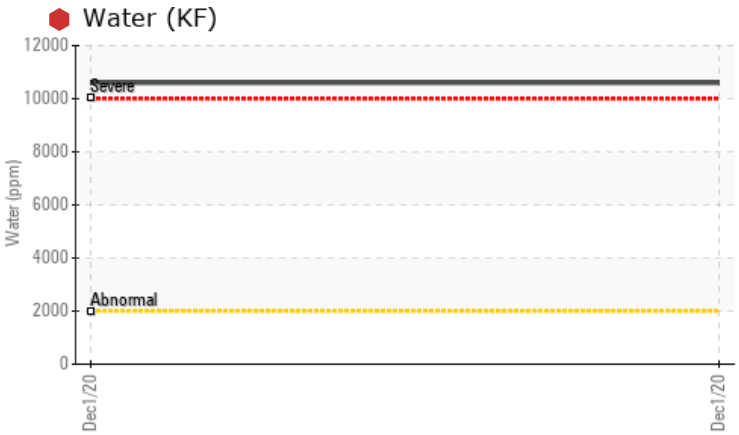
Area
KANSAS/88/EG - OTHER SERVICE
Machine Id
53.17C [KANSAS^88^EG - OTHER SERVICE]
Component
Right Chain Case
Fluid
MOBIL MOBILTRANS HD 50 (1 GAL)

Sample Rating Trend



WATER

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Water	%	ASTM D6304	>0.2	**1.06**	---	---
ppm Water	ppm	ASTM D6304	>2000	**10600**	---	---
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	---	---

Customer Id: SHEWIC
Sample No.: WC0511865
Lab Number: 05142954
Test Package: MOBCE

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

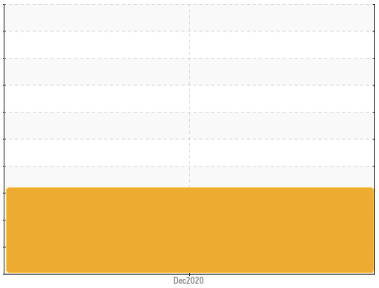
Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Area
KANSAS/88/EG - OTHER SERVICE
Machine Id
53.17C [KANSAS^88^EG - OTHER SERVICE]
Component
Right Chain Case
Fluid
MOBIL MOBILTRANS HD 50 (1 GAL)

Sample Rating Trend



WATER

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0511865**	---	---
Sample Date		Client Info		**01 Dec 2020**	---	---
Machine Age	hrs	Client Info		**4474**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**Changed**	---	---
Sample Status				**SEVERE**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>632	**169**	---	---
Chromium	ppm	ASTM D5185m	>3	**<1**	---	---
Nickel	ppm	ASTM D5185m	>3	**2**	---	---
Titanium	ppm	ASTM D5185m		**<1**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>19	**4**	---	---
Lead	ppm	ASTM D5185m	>6	**2**	---	---
Copper	ppm	ASTM D5185m	>46	**<1**	---	---
Tin	ppm	ASTM D5185m	>3	**0**	---	---
Antimony	ppm	ASTM D5185m		**0**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**<1**	---	---

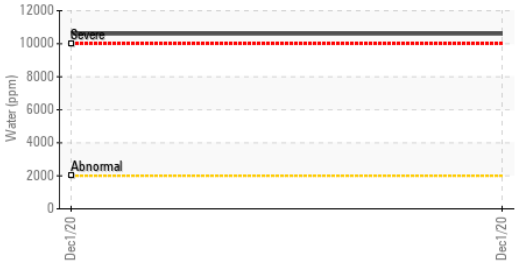
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**303**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**71**	---	---
Manganese	ppm	ASTM D5185m		**2**	---	---
Magnesium	ppm	ASTM D5185m		**358**	---	---
Calcium	ppm	ASTM D5185m		**1179**	---	---
Phosphorus	ppm	ASTM D5185m		**978**	---	---
Zinc	ppm	ASTM D5185m		**1096**	---	---
Sulfur	ppm	ASTM D5185m		**2685**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>82	**31**	---	---
Sodium	ppm	ASTM D5185m		**2**	---	---
Potassium	ppm	ASTM D5185m	>20	**0**	---	---
Water	%	ASTM D6304	>0.2	**1.06**	---	---
ppm Water	ppm	ASTM D6304	>2000	**10600**	---	---

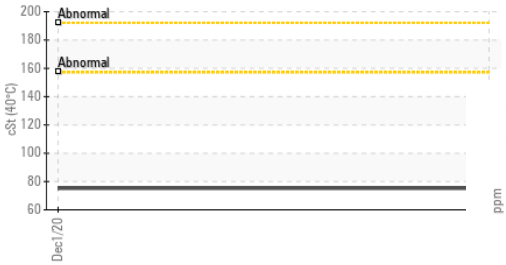
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**MODER**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar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

OIL ANALYSIS REPORT

Water (KF)



Viscosity @ 40°C

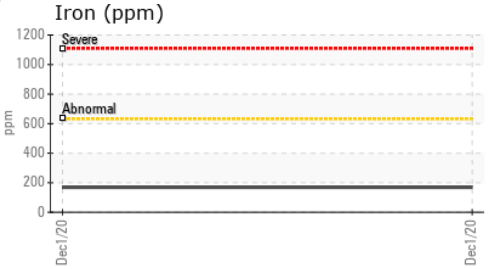


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**75.2**	---	---

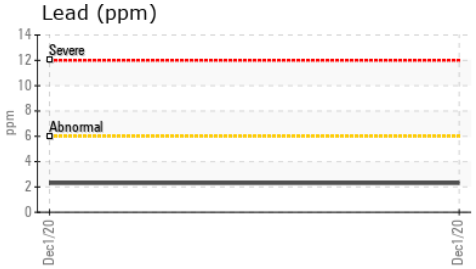
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

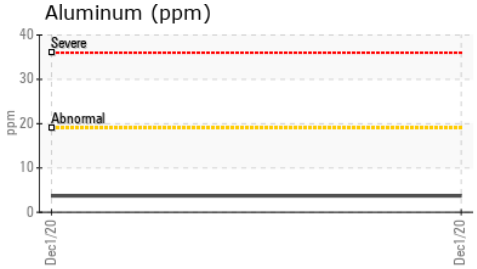
Iron (ppm)



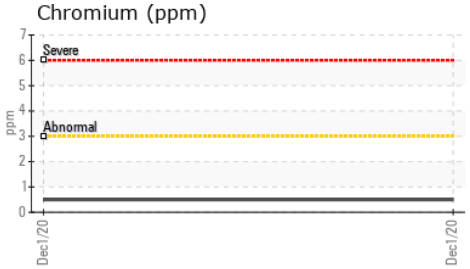
Lead (ppm)



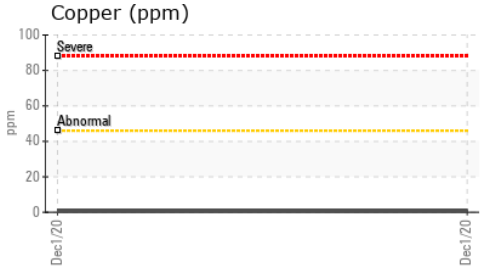
Aluminum (ppm)



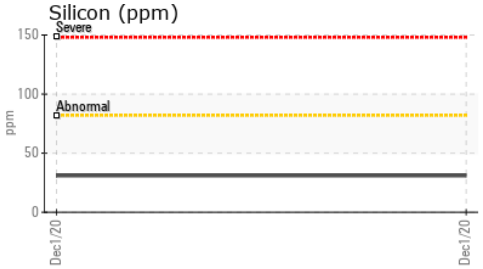
Chromium (ppm)



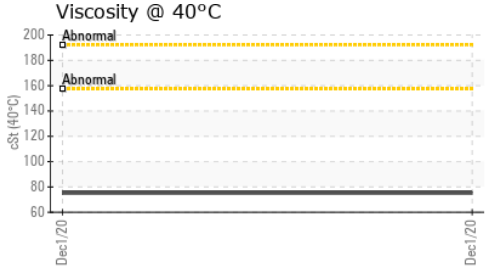
Copper (ppm)



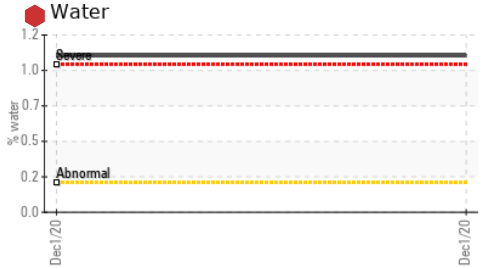
Silicon (ppm)



Viscosity @ 40°C



Water



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0511865 **Received** : 22 Dec 2020
Lab Number : 05142954 **Diagnosed** : 23 Dec 2020
Unique Number : 9298229 **Diagnostician** : Jonathan Hester
Test Package : MOBCE (Additional Tests: KF)

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] 05142954 (Generated: 11/07/2023 17:05:56) Rev: 1

Submitted By: RICHARD MARTINEZ