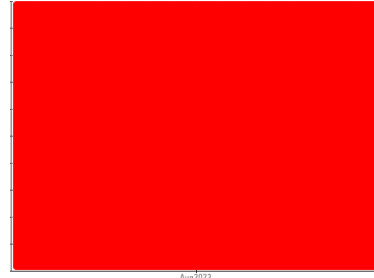


PROBLEM SUMMARY

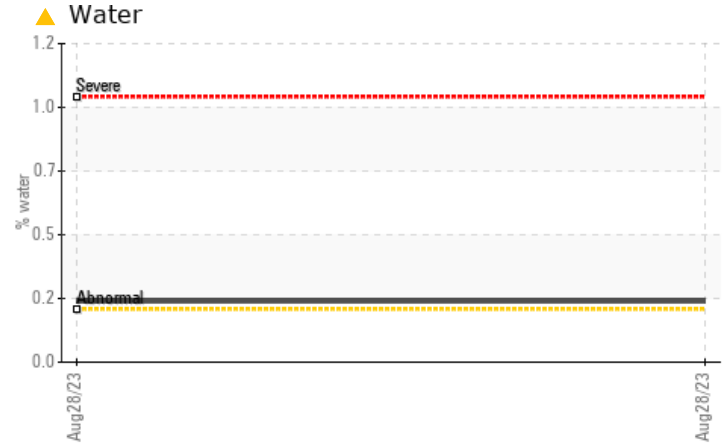
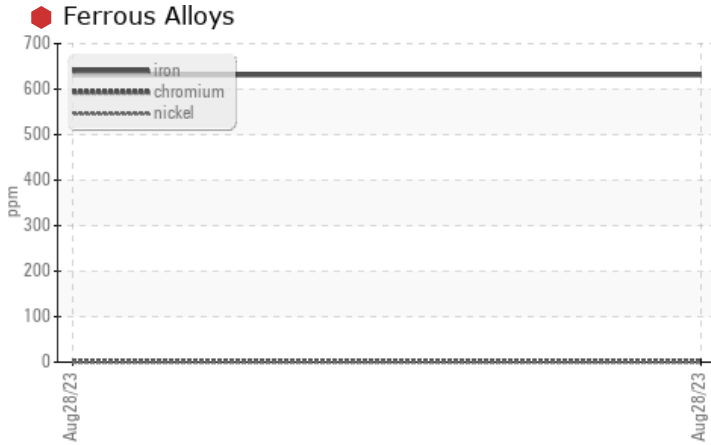
Sample Rating Trend

WEAR

Area
TM 7
Machine Id
TM 7 BLEND CHEST AGITATOR
Component
Gearbox
Fluid
GEAR OIL ISO 220 (--- GAL)



COMPONENT CONDITION SUMMARY



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. Inspect/change air breather if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>200	631	---	---
Water	%	ASTM D6304	>0.2	0.229	---	---
ppm Water	ppm	ASTM D6304	>2000	2295.2	---	---
Appearance	scalar	*Visual	NORML	MILKY	---	---
Free Water	scalar	*Visual		10.0	---	---

Customer Id: KIMMOBTM7
Sample No.: RP0034358
Lab Number: 05937913
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Breathers	---	---	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

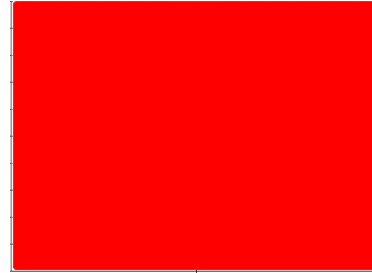


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
TM 7
 Machine Id
TM 7 BLEND CHEST AGITATOR
 Component
Gearbox
 Fluid
GEAR OIL ISO 220 (--- 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. Inspect/change air breather if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

Appearance is milky. Excessive free water present. There is a light concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0034358	---	---
Sample Date	Client Info		28 Aug 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
Iron	ppm	ASTM D5185m >200	631	---	---
Chromium	ppm	ASTM D5185m >15	3	---	---
Nickel	ppm	ASTM D5185m >15	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	2	---	---
Lead	ppm	ASTM D5185m >100	0	---	---
Copper	ppm	ASTM D5185m >200	0	---	---
Tin	ppm	ASTM D5185m >25	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	<1	---	---
Barium	ppm	ASTM D5185m 15	0	---	---
Molybdenum	ppm	ASTM D5185m 15	0	---	---
Manganese	ppm	ASTM D5185m	2	---	---
Magnesium	ppm	ASTM D5185m 50	<1	---	---
Calcium	ppm	ASTM D5185m 50	<1	---	---
Phosphorus	ppm	ASTM D5185m 350	479	---	---
Zinc	ppm	ASTM D5185m 100	0	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	3	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	1	---	---
Water	%	ASTM D6304 >0.2	0.229	---	---
ppm Water	ppm	ASTM D6304 >2000	2295.2	---	---

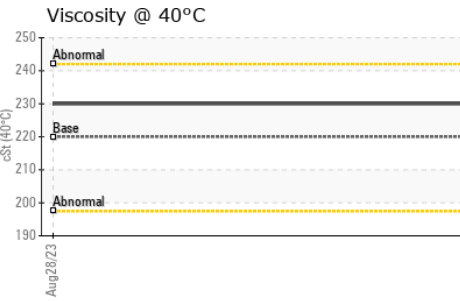
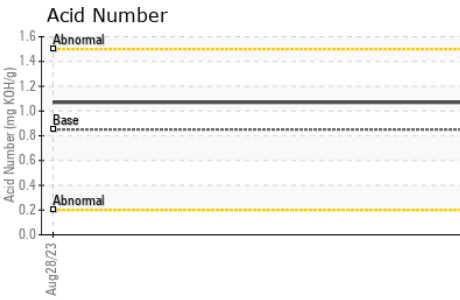
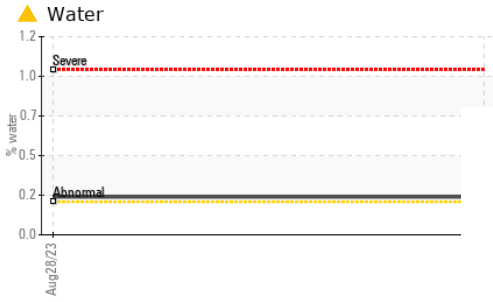
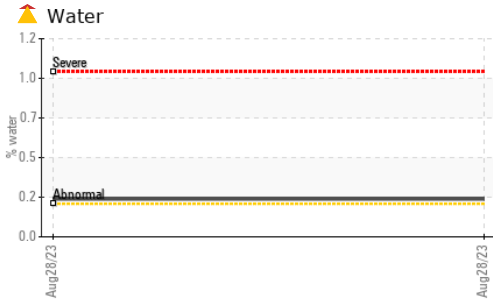
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	1.07	---	---

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	MODER	---	---
Debris	scalar	*Visual NONE	NONE	---	---
Sand/Dirt	scalar	*Visual NONE	NONE	---	---
Appearance	scalar	*Visual NORML	MILKY	---	---
Odor	scalar	*Visual NORML	NORML	---	---
Emulsified Water	scalar	*Visual >0.2	0.2%	---	---
Free Water	scalar	*Visual	10.0	---	---

OIL ANALYSIS REPORT

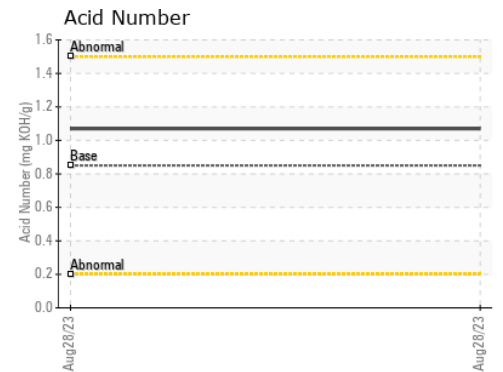
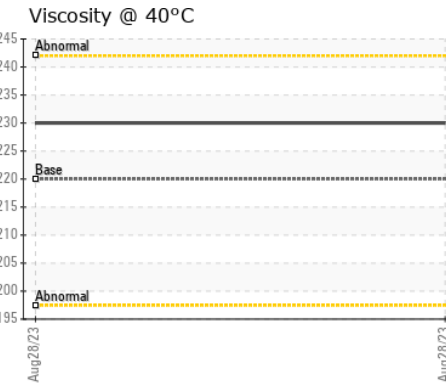
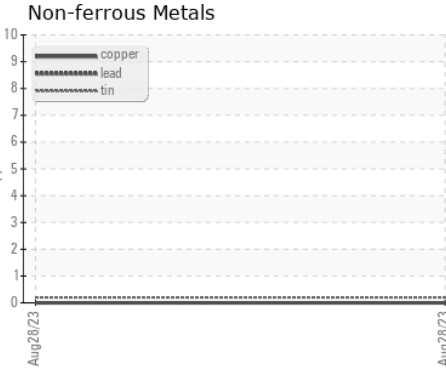
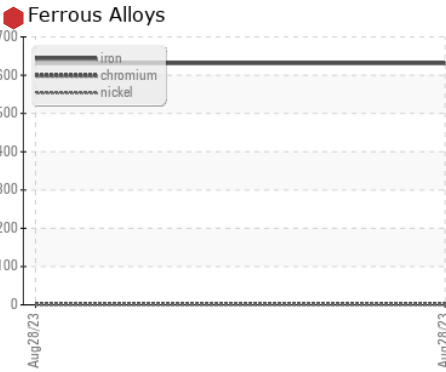


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	230	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0034358 **Received** : 29 Aug 2023
Lab Number : **05937913** **Diagnosed** : 30 Aug 2023
Unique Number : 10628525 **Diagnostician** : Angela Borella
Test Package : IND 2

Kimberly-Clark - Mobile - TM 7
 200 BAYBRIDGE RD
 MOBILE, AL
 US 36610
 Contact: BRAD SNOW
 brad.snow@kcc.com
 T:
 F: (251)452-6335

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)