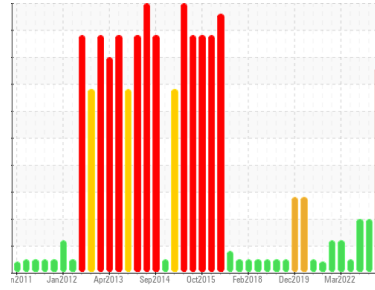


# PROBLEM SUMMARY

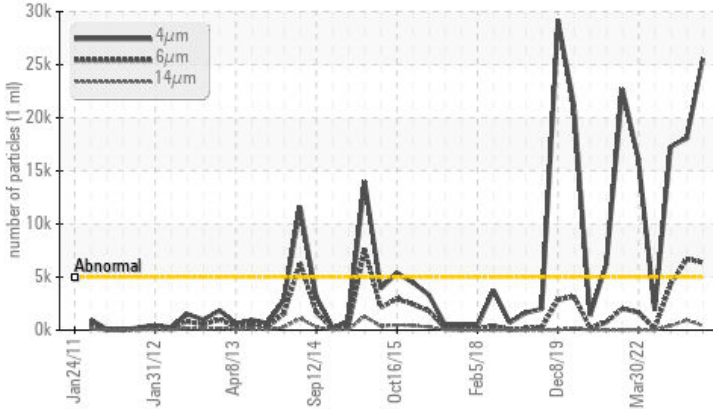
## Sample Rating Trend



Area  
**TM 11**  
Machine Id  
**TM 11 YANKEE HOOD FANS**  
Component  
**Lube System**  
Fluid  
**AW HYDRAULIC OIL ISO 68 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>5000	▲ 25568	▲ 18092	▲ 17271
Particles >6µm	ASTM D7647	>1300	▲ 6377	▲ 6698	▲ 4339
Particles >14µm	ASTM D7647	>160	▲ 423	▲ 942	▲ 406
Particles >21µm	ASTM D7647	>40	▲ 63	▲ 254	▲ 110
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/20/16	▲ 21/20/17	▲ 21/19/16

Customer Id: KIMMOBTM11  
Sample No.: RP0038097  
Lab Number: 06237786  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

ISO



**30 Jan 2024 Diag: Don Baldrige**

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



ISO



**09 Aug 2023 Diag: Don Baldrige**

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

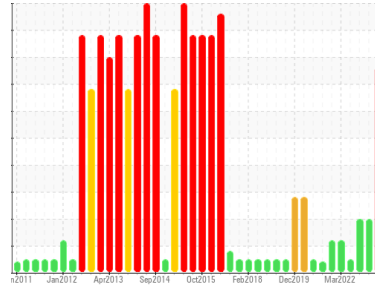
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**TM 11**  
 Machine Id  
**TM 11 YANKEE HOOD FANS**  
 Component  
**Lube System**  
 Fluid  
**AW HYDRAULIC OIL ISO 68 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>RP0038097</b>	RP0037972	RP0034373
Sample Date	Client Info			<b>15 Jul 2024</b>	30 Jan 2024	09 Aug 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>16</b>	9	15
Iron	ppm	ASTM D5185m	>20	<b>1</b>	2	2
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	2
Copper	ppm	ASTM D5185m	>20	<b>22</b>	27	30
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	20
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	25	<b>48</b>	36	33
Calcium	ppm	ASTM D5185m	200	<b>49</b>	32	34
Phosphorus	ppm	ASTM D5185m	300	<b>297</b>	264	297
Zinc	ppm	ASTM D5185m	370	<b>334</b>	281	318

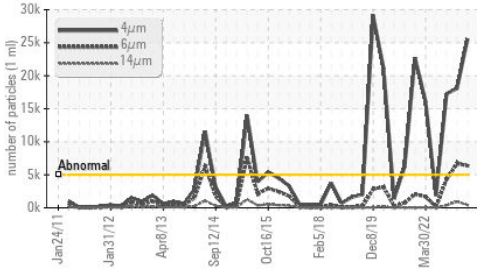
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	<1
Sodium	ppm	ASTM D5185m		<b>1</b>	<1	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water	%	ASTM D6304	>0.05	<b>0.007</b>	0.006	0.006
ppm Water	ppm	ASTM D6304	>500	<b>72</b>	68	68.5

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>▲ 25568</b>	▲ 18092	▲ 17271
Particles >6µm		ASTM D7647	>1300	<b>▲ 6377</b>	▲ 6698	▲ 4339
Particles >14µm		ASTM D7647	>160	<b>▲ 423</b>	▲ 942	▲ 406
Particles >21µm		ASTM D7647	>40	<b>▲ 63</b>	▲ 254	▲ 110
Particles >38µm		ASTM D7647	>10	<b>5</b>	7	5
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/20/16</b>	▲ 21/20/17	▲ 21/19/16

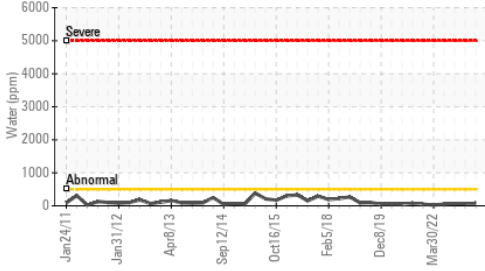
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>0.39</b>	0.49	0.42

# OIL ANALYSIS REPORT

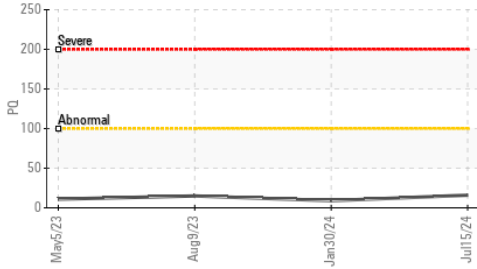
## ▲ Particle Trend



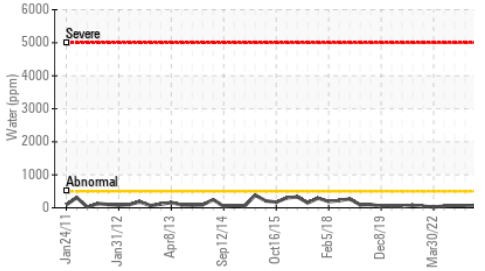
## Water (KF)



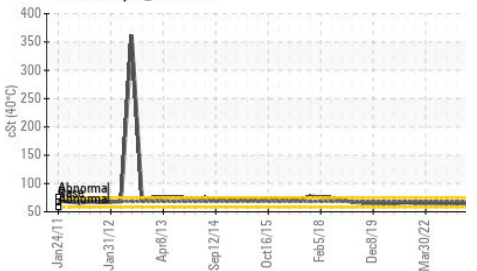
## PQ



## Water (KF)



## Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 68	64.4	64.8	63.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

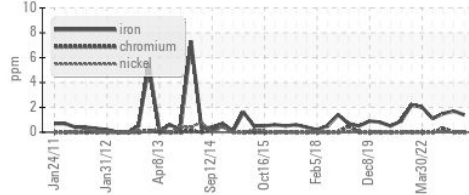


Bottom

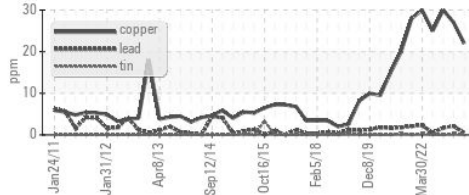


## GRAPHS

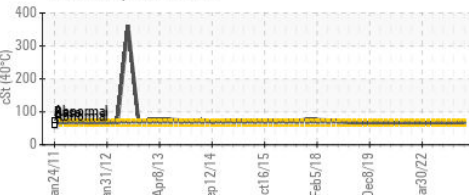
### Ferrous Alloys



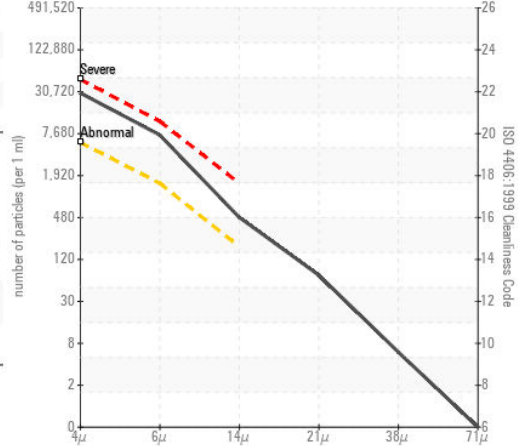
### Non-ferrous Metals



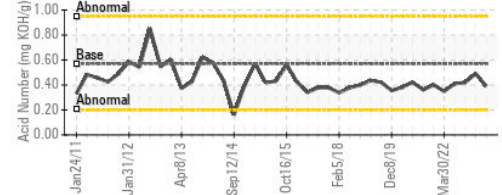
### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : RP0038097

**Lab Number** : 06237786

**Unique Number** : 11126620

**Test Package** : IND 2 ( Additional Tests: PQ, PrtCount )

**Received** : 16 Jul 2024

**Tested** : 17 Jul 2024

**Diagnosed** : 18 Jul 2024 - Don Baldrige

**Kimberly-Clark - Mobile - TM 11**

200 BAYBRIDGE RD

MOBILE, AL

US 36610

Contact: LARRY WEAVER

Larry.D.Weaver@kcc.com

T:

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)

F: (251)452-6335