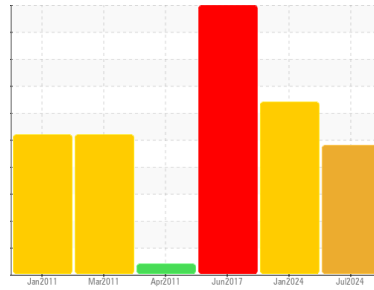


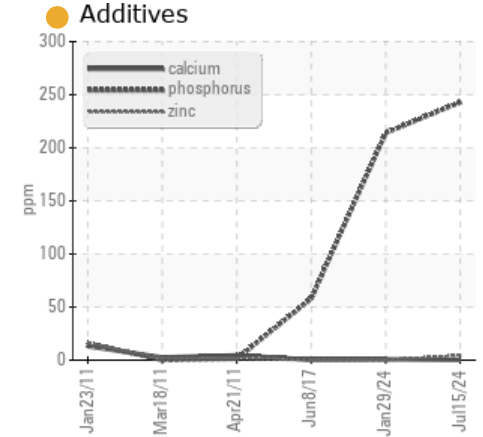
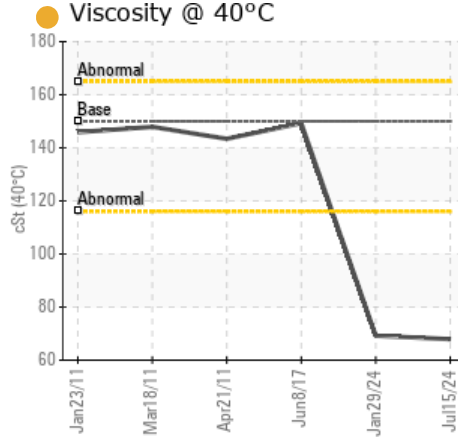
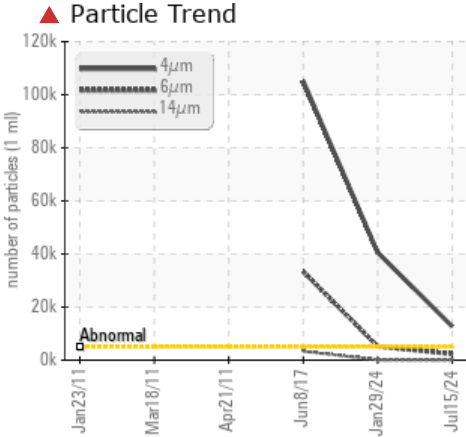
# PROBLEM SUMMARY

Area  
**TM 11**  
 Machine Id  
**TM 11 EAST SIDE AIR FAN PUMP**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM 150 (--- GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	SEVERE	SEVERE
Particles >4µm	ASTM D7647	>5000	▲ 12703	▲ 40547	▲ 105178
Particles >6µm	ASTM D7647	>1300	▲ 2325	▲ 5175	▲ 33363
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/18/13	▲ 23/20/14	▲ 24/22/19

Customer Id: KIMMOBTM11  
 Sample No.: RP0037899  
 Lab Number: 06237787  
 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

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

ISO



### 29 Jan 2024 Diag: Jonathan Hester

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

view report



ISO



### 08 Jun 2017 Diag: Doug Bogart

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. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

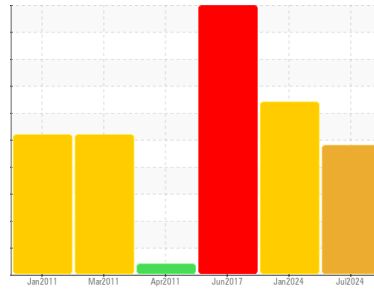
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**TM 11**  
 Machine Id  
**TM 11 EAST SIDE AIR FAN PUMP**  
 Component  
**Pump**  
 Fluid  
**ROYAL PURPLE SYNFILM 150 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### ● Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>RP0037899</b>	RP0037979	RP150101
Sample Date	Client Info		<b>15 Jul 2024</b>	29 Jan 2024	08 Jun 2017
Machine Age	mths	Client Info	<b>0</b>	0	0
Oil Age	mths	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>SEVERE</b>	SEVERE	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>21</b>	14	---
Iron	ppm	ASTM D5185m >90	<b>1</b>	3	3
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >7	<b>0</b>	2	0
Lead	ppm	ASTM D5185m >12	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m >30	<b>0</b>	2	<1
Tin	ppm	ASTM D5185m >9	<b>0</b>	<1	2
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 90	<b>&lt;1</b>	0	48
Calcium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Phosphorus	ppm	ASTM D5185m	<b>243</b>	214	58
Zinc	ppm	ASTM D5185m	<b>4</b>	0	0

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	<b>37</b>	69	1
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	0	3
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	2
Water	%	ASTM D6304 >.1	<b>0.009</b>	0.007	0.026
ppm Water	ppm	ASTM D6304 >1000	<b>91</b>	75	260

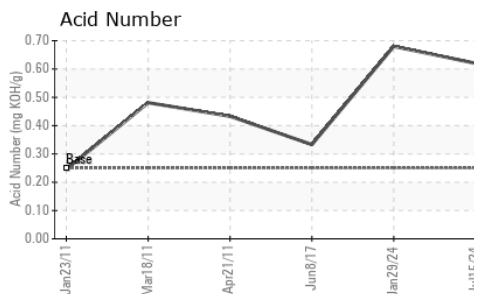
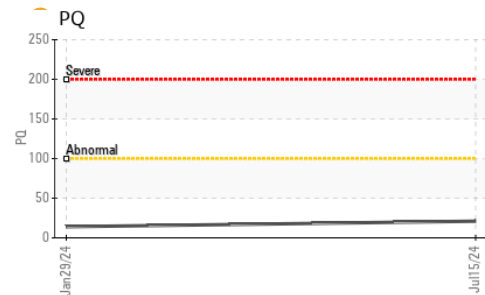
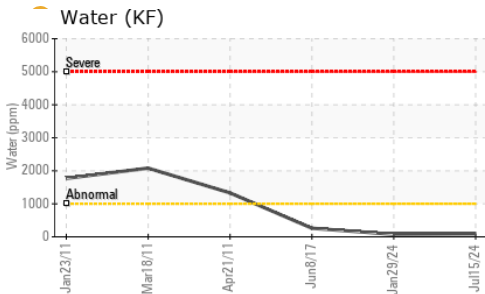
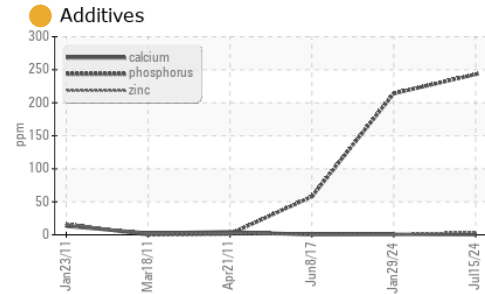
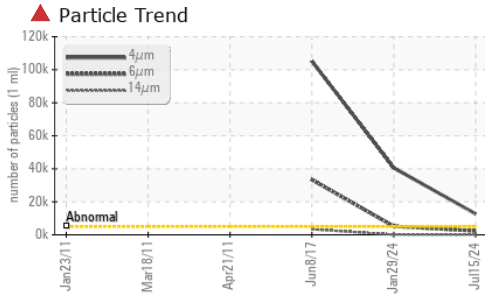
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>12703</b>	40547	105178
Particles >6µm	ASTM D7647	>1300	<b>2325</b>	5175	33363
Particles >14µm	ASTM D7647	>160	<b>70</b>	120	3344
Particles >21µm	ASTM D7647	>40	<b>10</b>	20	1002
Particles >38µm	ASTM D7647	>10	<b>1</b>	1	102
Particles >71µm	ASTM D7647	>3	<b>1</b>	0	17
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>21/18/13</b>	23/20/14	24/22/19

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.25	<b>0.62</b>	0.68	0.333

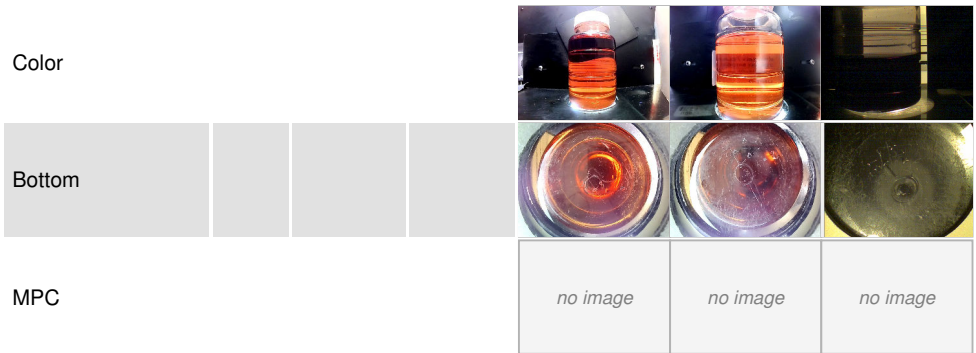
# OIL ANALYSIS REPORT



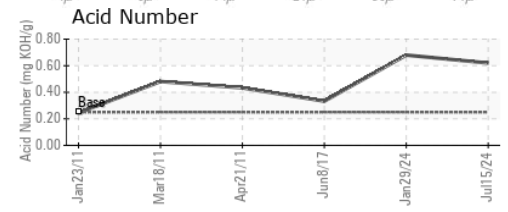
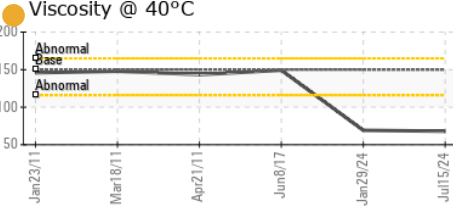
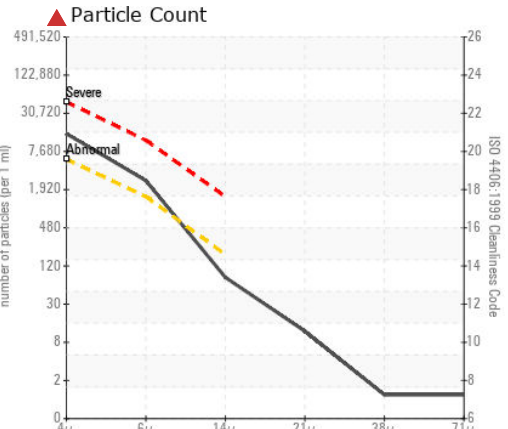
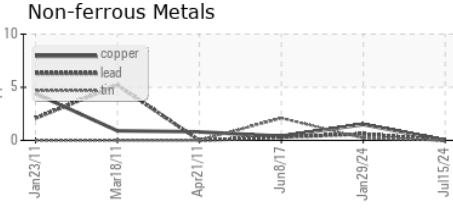
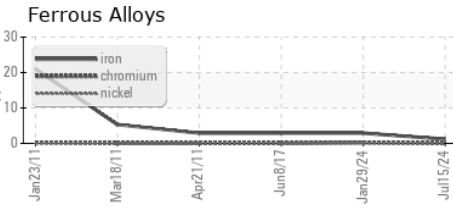
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	67.9	69.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0037899 **Received** : 16 Jul 2024  
**Lab Number** : 06237787 **Tested** : 17 Jul 2024  
**Unique Number** : 11126621 **Diagnosed** : 18 Jul 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PQ, PrtCount )

**Kimberly-Clark - Mobile - TM 11**  
 200 BAYBRIDGE RD  
 MOBILE, AL  
 US 36610  
 Contact: LARRY WEAVER  
 Larry.D.Weaver@kcc.com

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