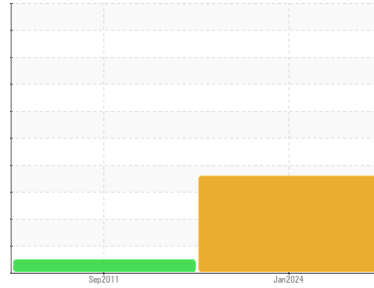


PROBLEM SUMMARY

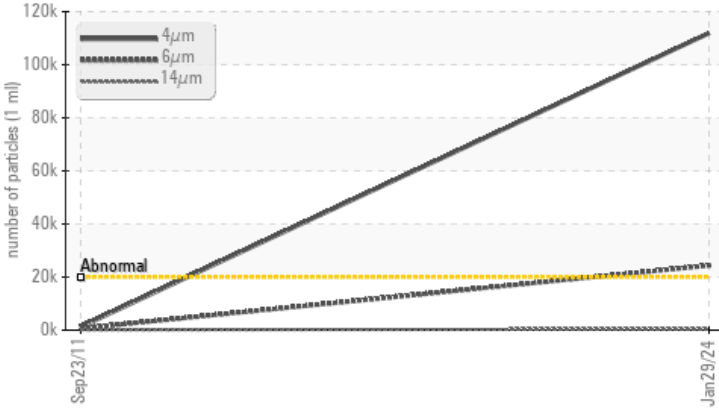
Sample Rating Trend



Area
TM 11
 Machine Id
TM 11 AIR SIDE MACHINE CHEST
 Component
Gearbox
 Fluid
ROYAL PURPLE SYNERGY 90/220 (--- GAL)

COMPONENT CONDITION SUMMARY

Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	NORMAL	---
Particles >4µm	ASTM D7647	>20000	111914	1205	---
Particles >6µm	ASTM D7647	>5000	24362	656	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	24/22/16	17/17/14	---

Customer Id: KIMMOBTM11
 Sample No.: RP0038096
 Lab Number: 06074728
 Test Package: IND 2



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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

23 Sep 2011 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The condition of oil is suitable for further service.

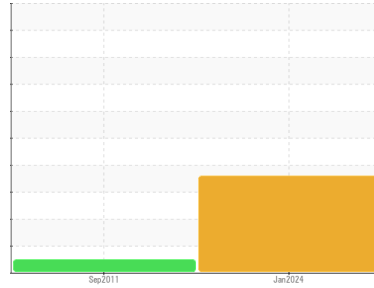
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
TM 11
 Machine Id
TM 11 AIR SIDE MACHINE CHEST
 Component
Gearbox
 Fluid
ROYAL PURPLE SYNERGY 90/220 (--- 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

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		RP0038096	RP115061	---
Sample Date	Client Info		29 Jan 2024	23 Sep 2011	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		38	---	---
Iron	ppm	ASTM D5185m >200	98	2	---
Chromium	ppm	ASTM D5185m >15	<1	0	---
Nickel	ppm	ASTM D5185m >15	0	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	<1	---
Lead	ppm	ASTM D5185m >100	<1	0	---
Copper	ppm	ASTM D5185m >200	<1	<1	---
Tin	ppm	ASTM D5185m >25	<1	0	---
Antimony	ppm	ASTM D5185m >5	---	1316	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	<1	---
Barium	ppm	ASTM D5185m	0	1	---
Molybdenum	ppm	ASTM D5185m	<1	0	---
Manganese	ppm	ASTM D5185m	<1	0	---
Magnesium	ppm	ASTM D5185m	0	4	---
Calcium	ppm	ASTM D5185m	2	4	---
Phosphorus	ppm	ASTM D5185m 370	357	235	---
Zinc	ppm	ASTM D5185m	0	10	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	2	<1	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	3	0	---
Water	%	ASTM D6304 >0.2	0.015	0.003	---
ppm Water	ppm	ASTM D6304 >2000	158	30	---

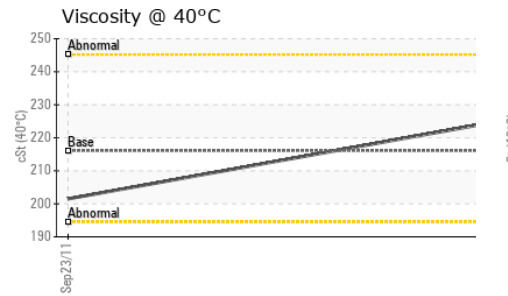
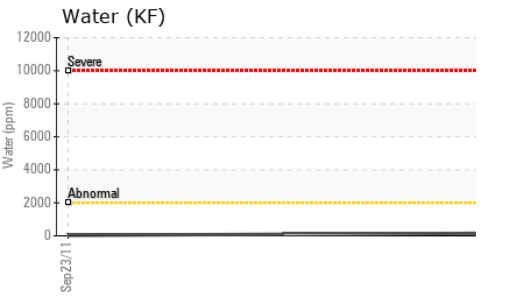
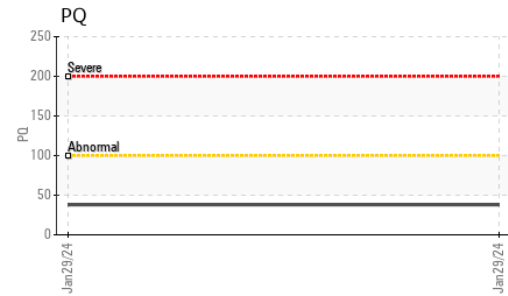
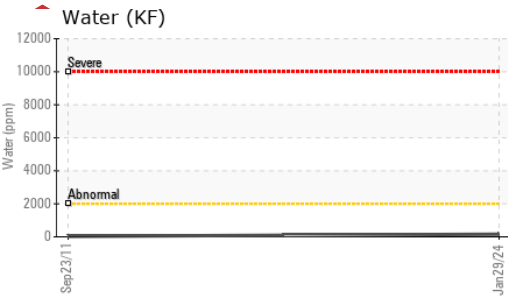
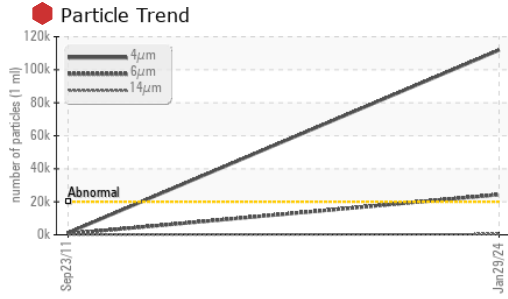
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	111914	1205	---
Particles >6µm	ASTM D7647	>5000	24362	656	---
Particles >14µm	ASTM D7647	>640	368	111	---
Particles >21µm	ASTM D7647	>160	56	37	---
Particles >38µm	ASTM D7647	>40	1	5	---
Particles >71µm	ASTM D7647	>10	0	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	24/22/16	17/17/14	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.33	1.87	1.14	---

OIL ANALYSIS REPORT



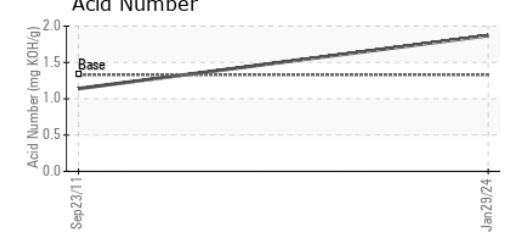
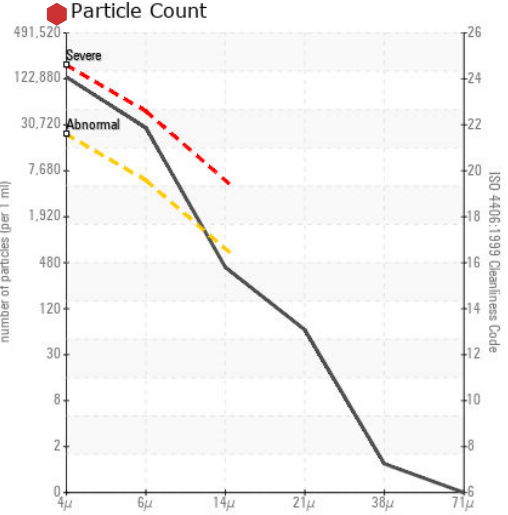
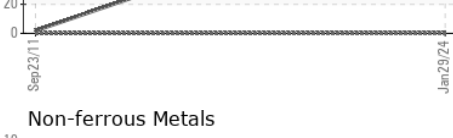
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	216.1	225	201.5	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0038096 **Received** : 30 Jan 2024
Lab Number : 06074728 **Diagnosed** : 01 Feb 2024
Unique Number : 10856819 **Diagnostician** : Jonathan Hester
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
 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)