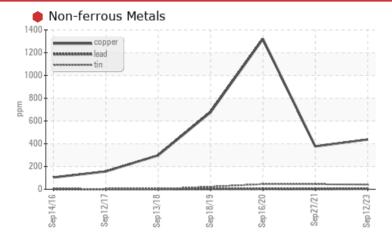
PROBLEM SUMMARY

Area ACRYLIC Machine Id MT A - AGITATOR Component Gearbox Fluid SHELL OMALA S2 G 220 (5 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS						
Sample Status				SEVERE	ABNORMAL	SEVERE
Copper	ppm	ASTM D5185m	>200	• 437	A 377	1320
Tin	ppm	ASTM D5185m	>25	4 1	4 4	4 5
Silt	scalar	*Visual	NONE	🔺 HEAVY	NONE	NONE

Customer Id: LUBGAS Sample No.: WC0855211 Lab Number: 05965336 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

RECOM	MENDED	ACTIONS
		ACTIONS

Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
Change Filter			?	We recommend you service the filters on this component if applicable.		
Resample			?	We recommend an early resample to monitor this condition.		
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.		

HISTORICAL DIAGNOSIS



27 Sep 2021 Diag: Jonathan Hester

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to metal particles present in this sample. High concentration of visible metal present. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.





16 Sep 2020 Diag: Don Baldridge

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We were unable to perform a particle count due to metal particles present in this sample.Bearing and/or bushing wear is indicated. High concentration of visible yellow metal present. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

18 Sep 2019 Diag: Doug Bogart

VISUAL METAL



We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We were unable to perform a particle count due to metal particles present in this sample.Bearing and/or gear wear is indicated. High concentration of visible metal present. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.







OIL ANALYSIS REPORT

Sample Rating Trend



Area ACRYLIC Machine Id MT A - AGITATOR Component Gearbox

Fluid SHELL OMALA S2 G 220 (5 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

🛡 Wear

Bearing and/or bushing wear is indicated.

Contamination

There is a high amount of visible silt present in the sample.

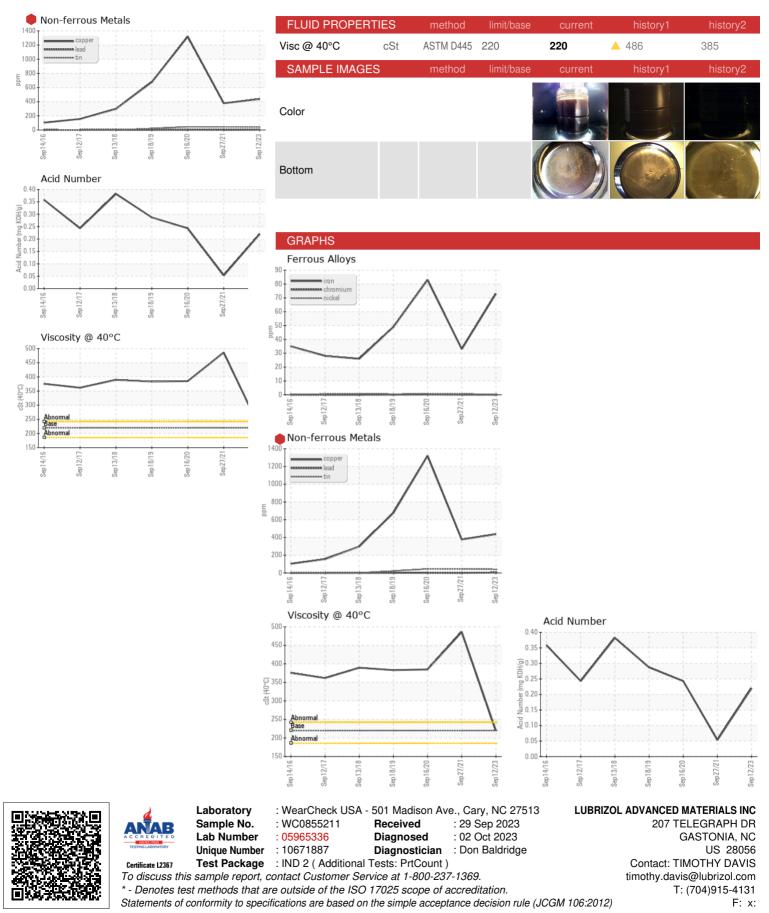
Fluid Condition

The AN level is acceptable for this fluid.

		Sep2016	Sep2017 Sep2018	Sep2019 Sep2020 Sep2021	Sep2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0855211	WC0619213	WC0507828
Sample Date		Client Info		12 Sep 2023	27 Sep 2021	16 Sep 2020
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	73	33	83
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum		ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>20	4	<1	2
	ppm	ASTM D5185m		4	<1	∠ ● 1320
Copper	ppm			· ·		· · ·
Tin	ppm	ASTM D5185m	>25	4 1	▲ 44	<u> </u>
Antimony	ppm	ASTM D5185m	>5		0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4.4	0	9	3
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	<1	<1
Calcium	ppm	ASTM D5185m	0	<1	0	2
Phosphorus	ppm	ASTM D5185m	215	174	313	121
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	7039	6539	239	7773
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	3	3
Sodium	ppm	ASTM D5185m		<1	8	0
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.22	0.053	0.243
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	A HEAVY	HEAVY
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE		NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY	NORML
Odor			NORML	NORML	NORML	NORML
	scalar	*Visual				
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG	n: TIMEQTHY D	AVISATERREY



OIL ANALYSIS REPORT



Contact/Location: TIMOTHY DAVIS - LUBGAS