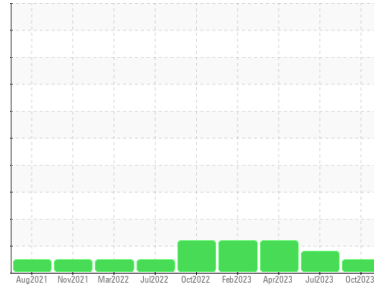




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Separation**  
 Machine Id  
**2307 Evap Agitator Gearbox**  
 Component  
**Agitator Gearbox**  
 Fluid  
**Mobilgear 629 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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>WC0845096</b>	WC0818804	WC0784167
Sample Date	Client Info	<b>20 Oct 2023</b>	14 Jul 2023	28 Apr 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >150	<b>20</b>	26	13
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	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>2</b>	6	3
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>2</b>	3	3
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	3	4
Calcium	ppm	ASTM D5185m	<b>4</b>	15	12
Phosphorus	ppm	ASTM D5185m	<b>256</b>	365	312
Zinc	ppm	ASTM D5185m	<b>18</b>	10	12
Sulfur	ppm	ASTM D5185m	<b>13032</b>	19800	15621

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	<b>&lt;1</b>	1	2
Sodium	ppm	ASTM D5185m	<b>4</b>	4	2
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	<1
Water	%	ASTM D6304 >0.1	<b>0.008</b>	0.008	0.006
ppm Water	ppm	ASTM D6304 >1000	<b>88.0</b>	82.1	66.0

## FLUID CLEANLINESS

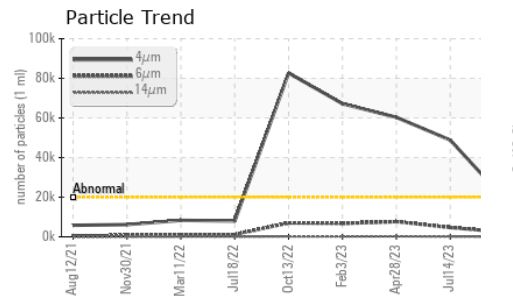
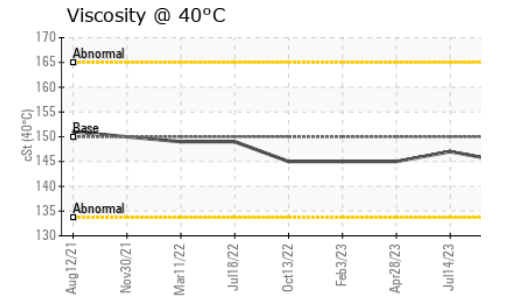
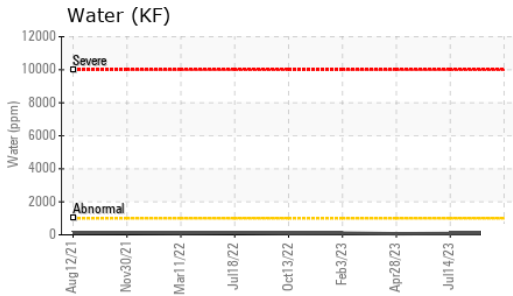
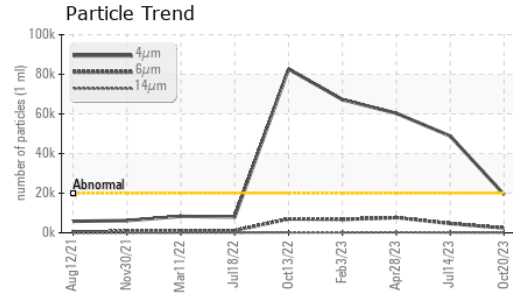
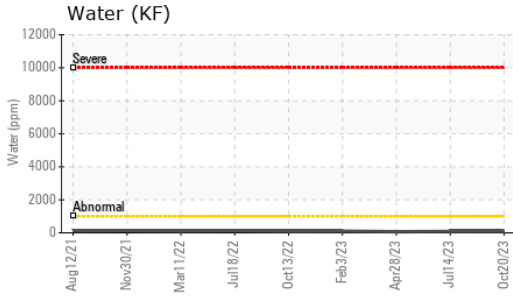
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	<b>19295</b>	▲ 48836	▲ 60326
Particles >6µm	ASTM D7647 >5000	<b>2428</b>	4680	▲ 7672
Particles >14µm	ASTM D7647 >640	<b>90</b>	145	249
Particles >21µm	ASTM D7647 >160	<b>19</b>	27	42
Particles >38µm	ASTM D7647 >40	<b>0</b>	2	2
Particles >71µm	ASTM D7647 >10	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >21/19/16	<b>21/18/14</b>	▲ 23/19/14	▲ 23/20/15

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.65</b>	0.68	0.66



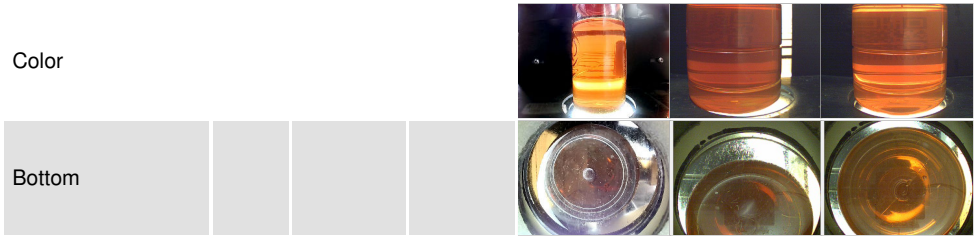
# OIL ANALYSIS REPORT



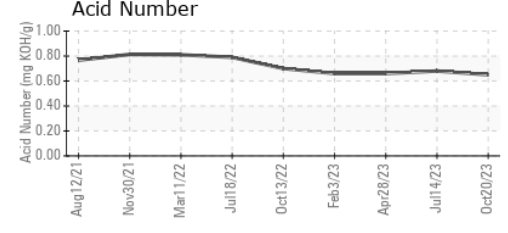
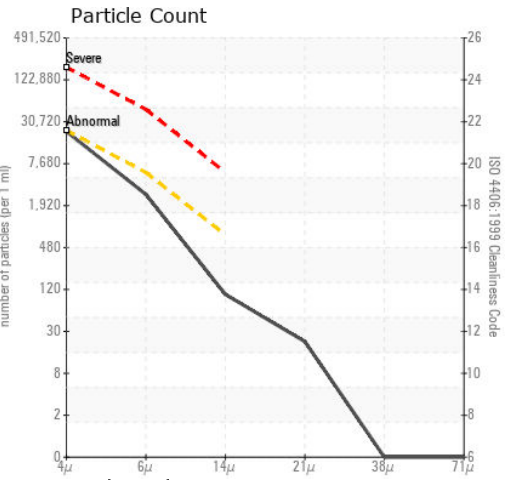
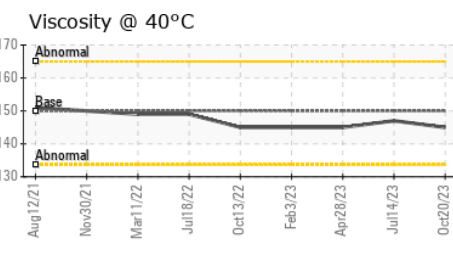
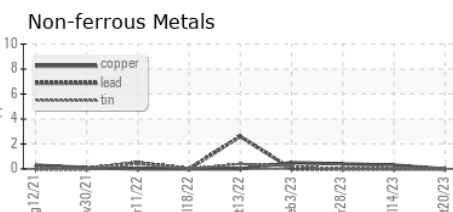
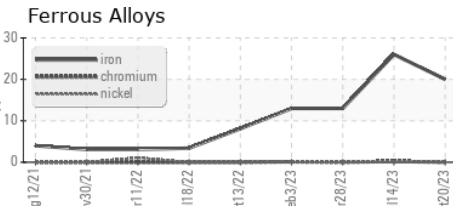
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	145	147

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0845096 **Received** : 03 Nov 2023  
**Lab Number** : 05998434 **Diagnosed** : 07 Nov 2023  
**Unique Number** : 10726794 **Diagnostician** : Don Baldrige  
**Test Package** : PLANT

**AJINOMOTO USA**  
 4020 AJINOMOTO DRIVE  
 RALEIGH, NC  
 US 27610  
 Contact: Michael Thompson  
 thompsonm@ajiusa.com  
 T: (919)723-2142  
 F:

Certificate L2367  
 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)