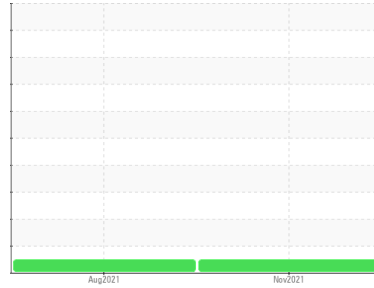




# OIL ANALYSIS REPORT

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

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### 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>WC0614183</b>	WC0584819	---
Sample Date	Client Info	<b>30 Nov 2021</b>	12 Aug 2021	---
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	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>150	<b>3</b>	4	---
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	---
Nickel ppm ASTM D5185m	>10	<b>0</b>	0	---
Titanium ppm ASTM D5185m		<b>0</b>	0	---
Silver ppm ASTM D5185m		<b>0</b>	<1	---
Aluminum ppm ASTM D5185m	>25	<b>0</b>	0	---
Lead ppm ASTM D5185m	>100	<b>0</b>	0	---
Copper ppm ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Tin ppm ASTM D5185m	>10	<b>0</b>	0	---
Antimony ppm ASTM D5185m		<b>0</b>	0	---
Vanadium ppm ASTM D5185m		<b>0</b>	0	---
Cadmium ppm ASTM D5185m		<b>0</b>	<1	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>21</b>	28	---
Barium ppm ASTM D5185m		<b>0</b>	0	---
Molybdenum ppm ASTM D5185m		<b>0</b>	0	---
Manganese ppm ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium ppm ASTM D5185m		<b>0</b>	<1	---
Calcium ppm ASTM D5185m		<b>0</b>	1	---
Phosphorus ppm ASTM D5185m		<b>351</b>	344	---
Zinc ppm ASTM D5185m		<b>0</b>	0	---
Sulfur ppm ASTM D5185m		<b>14666</b>	13996	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>0</b>	<1	---
Sodium ppm ASTM D5185m		<b>&lt;1</b>	<1	---
Potassium ppm ASTM D5185m	>20	<b>6</b>	6	---
Water % ASTM D6304	>0.1	<b>0.013</b>	0.012	---
ppm Water ppm ASTM D6304	>1000	<b>132.9</b>	120.8	---

## FLUID CLEANLINESS

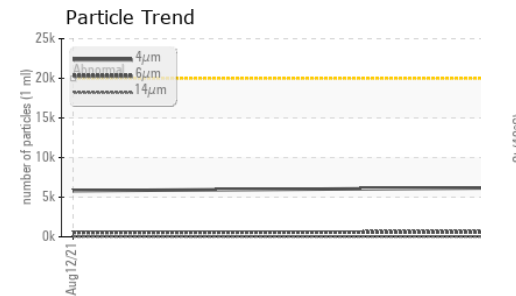
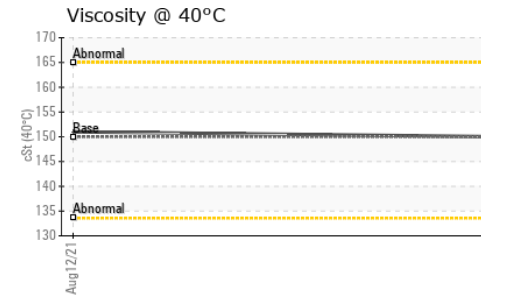
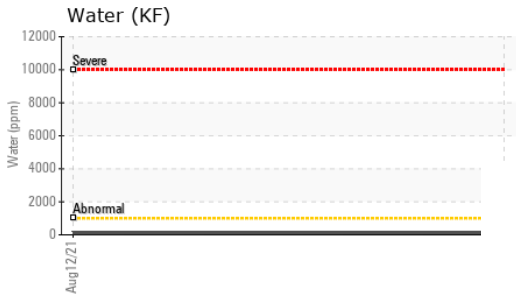
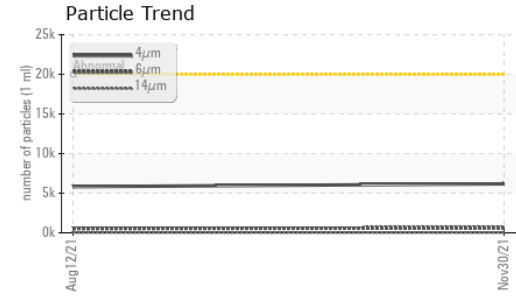
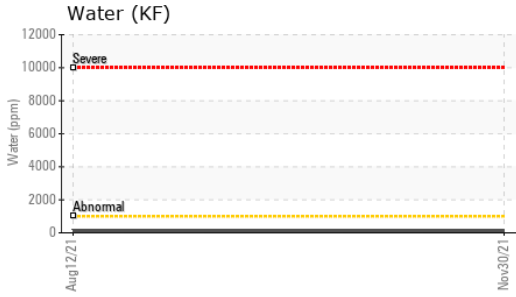
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>20000	<b>6179</b>	5820	---
Particles >6µm ASTM D7647	>5000	<b>613</b>	537	---
Particles >14µm ASTM D7647	>640	<b>36</b>	33	---
Particles >21µm ASTM D7647	>160	<b>9</b>	9	---
Particles >38µm ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness ISO 4406 (c)	>21/19/16	<b>20/16/12</b>	20/16/12	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.813</b>	0.767	---



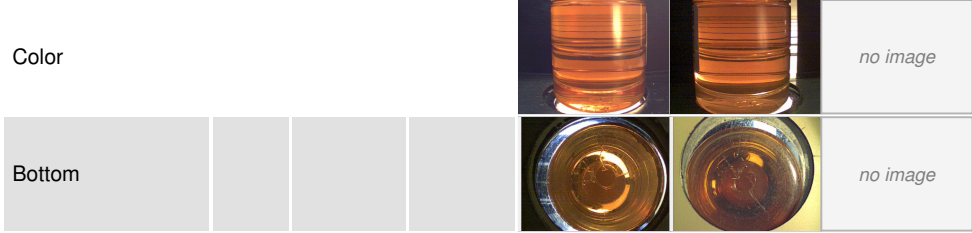
# OIL ANALYSIS REPORT



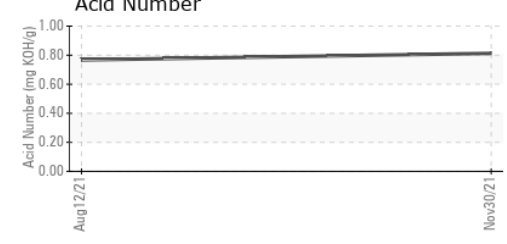
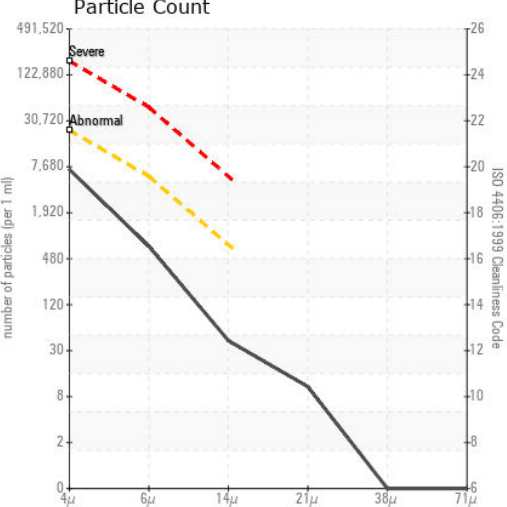
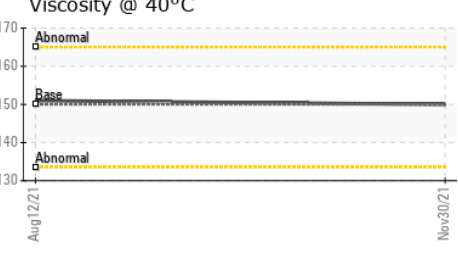
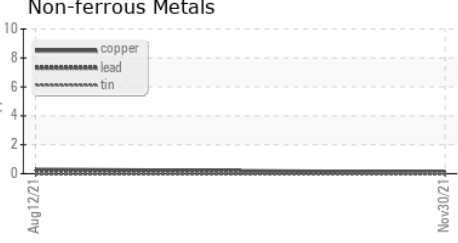
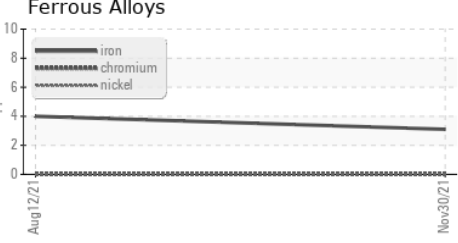
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	151	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0614183 **Received** : 09 Dec 2021  
**Lab Number** : 05418972 **Diagnosed** : 10 Dec 2021  
**Unique Number** : 9773163 **Diagnostician** : Angela Borella  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

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

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)