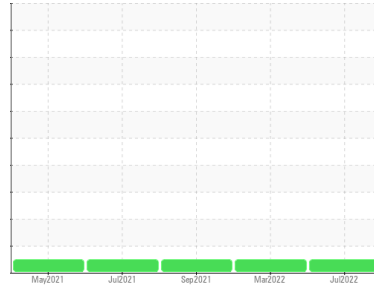




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Separation**  
 Machine Id  
**2401-A**  
 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>WC0687529</b>	WC0670728	WC0614177
Sample Date	Client Info	<b>18 Jul 2022</b>	11 Mar 2022	02 Sep 2021
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>150	<b>&lt;1</b>	<1	<1
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	0
Nickel ppm ASTM D5185m	>10	<b>0</b>	1	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>	<1	0
Lead ppm ASTM D5185m	>100	<b>0</b>	<1	0
Copper ppm ASTM D5185m	>50	<b>0</b>	0	0
Tin ppm ASTM D5185m	>10	<b>0</b>	<1	0
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>29</b>	28	35
Barium ppm ASTM D5185m		<b>0</b>	0	0
Molybdenum ppm ASTM D5185m		<b>0</b>	0	0
Manganese ppm ASTM D5185m		<b>0</b>	0	0
Magnesium ppm ASTM D5185m		<b>0</b>	0	0
Calcium ppm ASTM D5185m		<b>0</b>	0	0
Phosphorus ppm ASTM D5185m		<b>312</b>	350	318
Zinc ppm ASTM D5185m		<b>2</b>	0	0
Sulfur ppm ASTM D5185m		<b>16415</b>	13604	13758

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Sodium ppm ASTM D5185m		<b>&lt;1</b>	2	0
Potassium ppm ASTM D5185m	>20	<b>1</b>	2	0
Water % ASTM D6304	>0.1	<b>0.013</b>	0.009	0.011
ppm Water ppm ASTM D6304	>1000	<b>136.5</b>	99.1	116.5

## FLUID CLEANLINESS

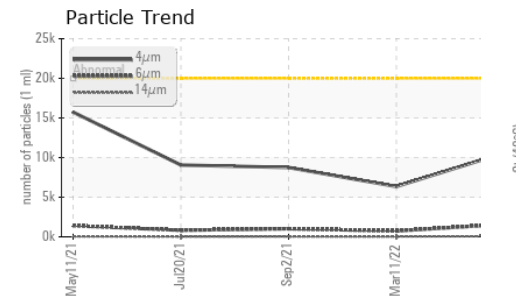
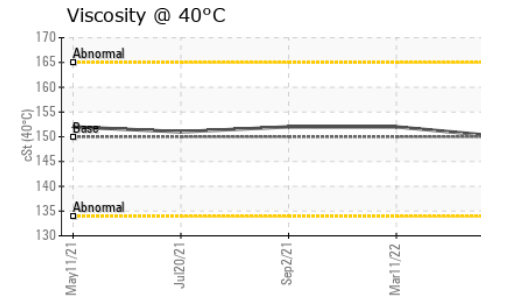
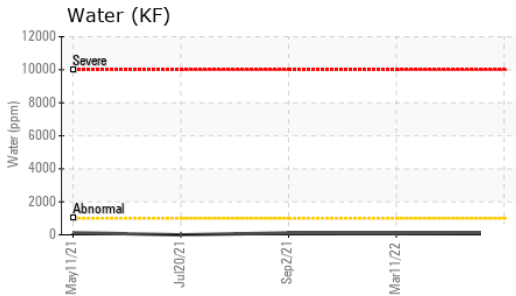
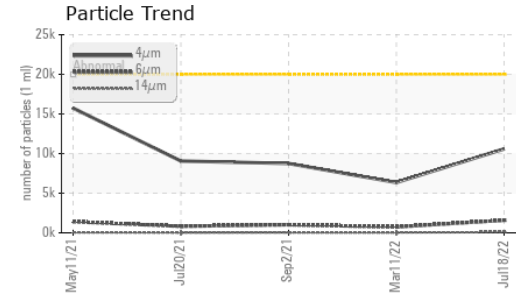
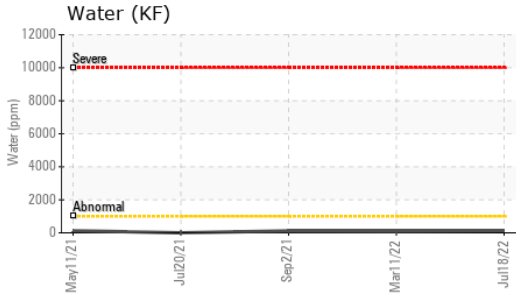
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>20000	<b>10586</b>	6348	8749
Particles >6µm ASTM D7647	>5000	<b>1586</b>	741	1021
Particles >14µm ASTM D7647	>640	<b>84</b>	40	45
Particles >21µm ASTM D7647	>160	<b>14</b>	10	6
Particles >38µm ASTM D7647	>40	<b>0</b>	0	0
Particles >71µm ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness ISO 4406 (c)	>21/19/16	<b>21/18/14</b>	20/17/12	20/17/13

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.75</b>	0.82	0.733



# OIL ANALYSIS REPORT



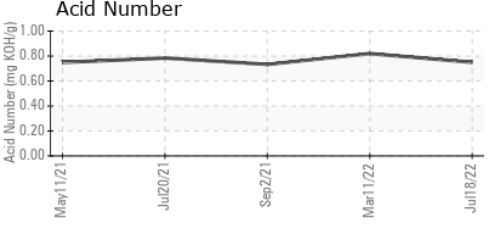
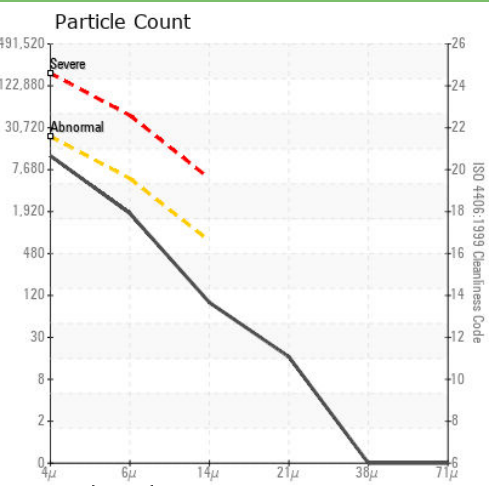
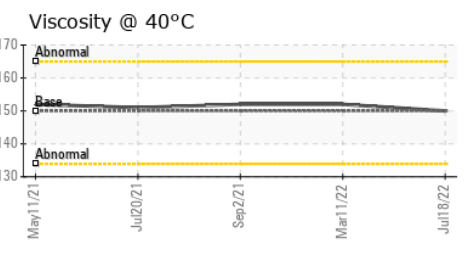
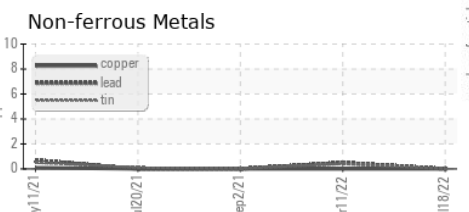
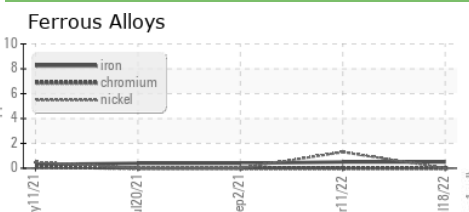
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	152	152

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0687529 **Received** : 21 Jul 2022  
**Lab Number** : 05597508 **Diagnosed** : 22 Jul 2022  
**Unique Number** : 10061988 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**AJINOMOTO USA**  
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 RALEIGH, NC  
 US 27610  
 Contact: Michael Thompson  
 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)