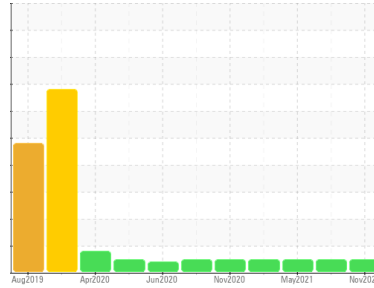




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**P2**  
 Machine Id  
**3521-A EVAPORATOR**  
 Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILGEAR 600 XP ISO 150 (15 QTS)**

## 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>WC0614181</b>	WC0584818	WC0565724
Sample Date	Client Info		<b>30 Nov 2021</b>	12 Aug 2021	11 May 2021
Machine Age	hrs	Client Info	<b>150</b>	0	0
Oil Age	hrs	Client Info	<b>150</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	>200	<b>2</b>	2	2
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>100	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>200	<b>1</b>	1	1
Tin	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m		<b>2</b>	2	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>13</b>	10	24
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	0
Calcium	ppm	ASTM D5185m		<b>0</b>	<1	0
Phosphorus	ppm	ASTM D5185m		<b>348</b>	329	341
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Sulfur	ppm	ASTM D5185m		<b>15295</b>	14423	15645

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Sodium	ppm	ASTM D5185m		<b>2</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	1
Water	%	ASTM D6304	>0.2	<b>0.007</b>	0.006	0.008
ppm Water	ppm	ASTM D6304	>2000	<b>73.3</b>	63.1	85.3

## FLUID CLEANLINESS

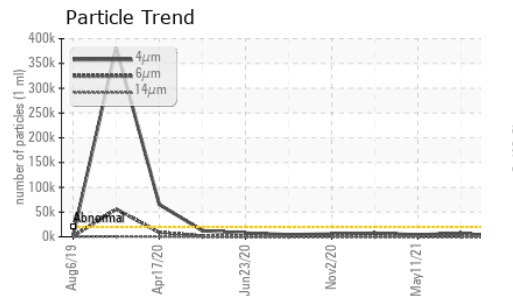
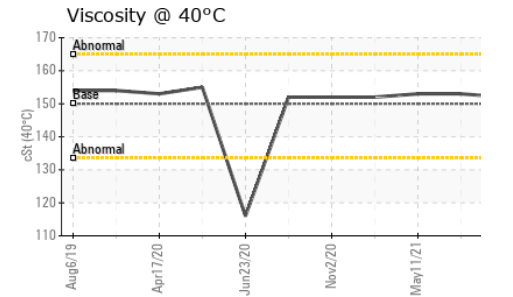
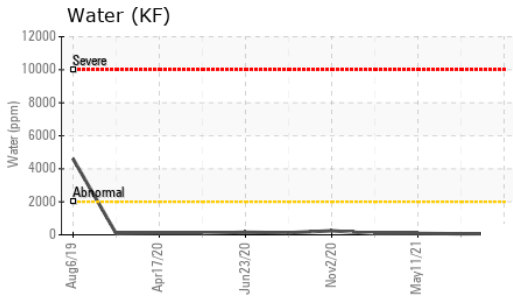
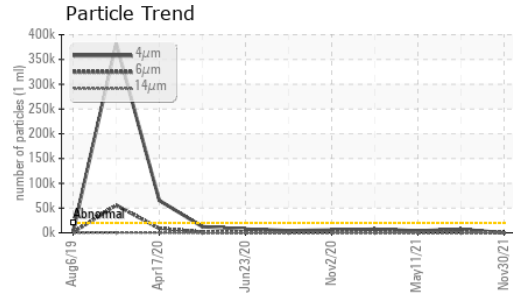
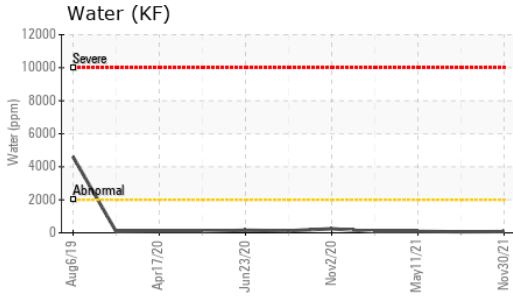
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	<b>0</b>	7111	4019
Particles >6µm	ASTM D7647	>5000	<b>0</b>	1120	682
Particles >14µm	ASTM D7647	>640	<b>4</b>	37	34
Particles >21µm	ASTM D7647	>160	<b>5</b>	10	7
Particles >38µm	ASTM D7647	>40	<b>5</b>	0	0
Particles >71µm	ASTM D7647	>10	<b>5</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<b>7/7/9</b>	20/17/12	19/17/12

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.795</b>	0.733	0.697



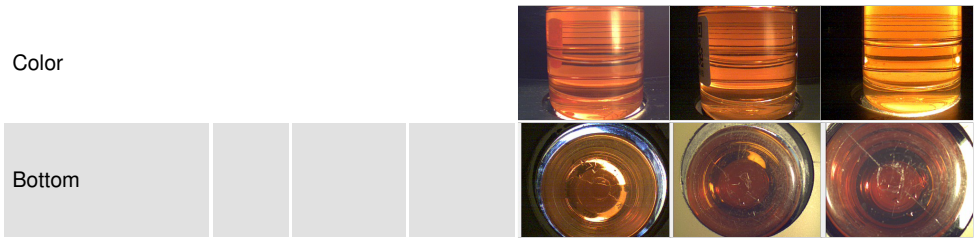
# OIL ANALYSIS REPORT



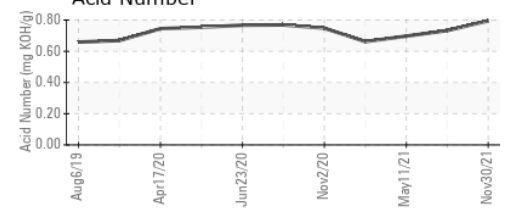
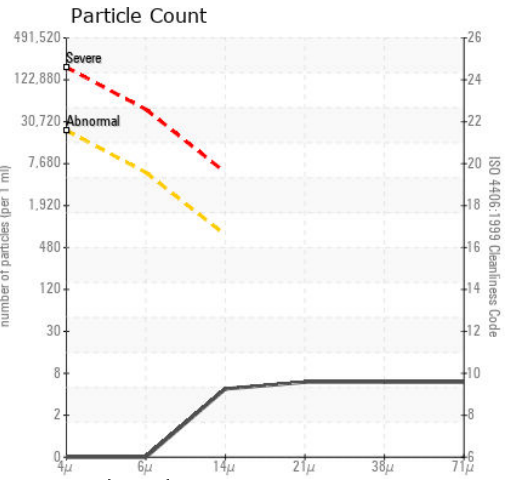
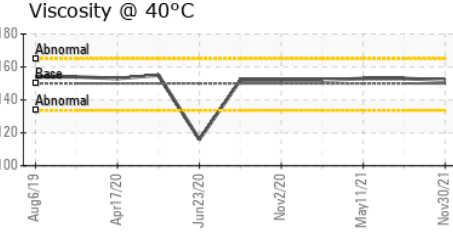
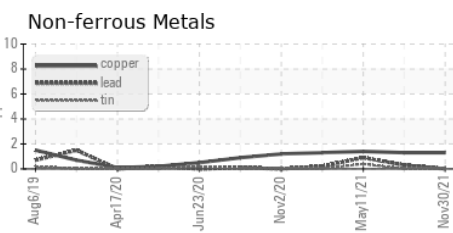
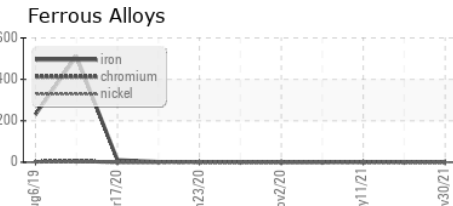
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	152	153

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0614181 **Received** : 09 Dec 2021  
**Lab Number** : 05418976 **Diagnosed** : 13 Dec 2021  
**Unique Number** : 9773167 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**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)