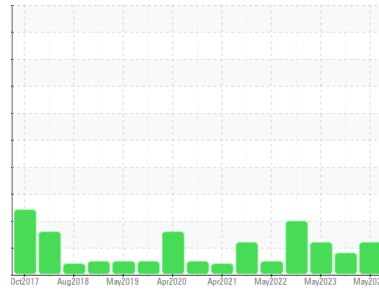




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**MCI/OS/GJ-7302B**

Component  
**Blower**

Fluid  
**ROYAL PURPLE SYNFILM GT 100 (--- GAL)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present 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>WC0932110</b>	WC0695233	WC0807299
Sample Date	Client Info		<b>28 May 2024</b>	16 Aug 2023	10 May 2023
Machine Age	mths	Client Info	<b>0</b>	58	55
Oil Age	mths	Client Info	<b>67</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	ATTENTION	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>5</b>	4	4
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m >20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m >20	<b>4</b>	3	0
Copper	ppm	ASTM D5185m >20	<b>2</b>	2	<1
Tin	ppm	ASTM D5185m >20	<b>&lt;1</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>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	2	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 90	<b>81</b>	83	83
Calcium	ppm	ASTM D5185m	<b>1</b>	5	4
Phosphorus	ppm	ASTM D5185m 35	<b>24</b>	7	5
Zinc	ppm	ASTM D5185m	<b>5</b>	1	0
Sulfur	ppm	ASTM D5185m 18000	<b>19861</b>	20468	21448

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>6</b>	6	9
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	0	<1
Water	%	ASTM D6304	<b>NEG</b>	NEG	NEG
ppm Water	ppm	ASTM D6304	<b>---</b>	---	---

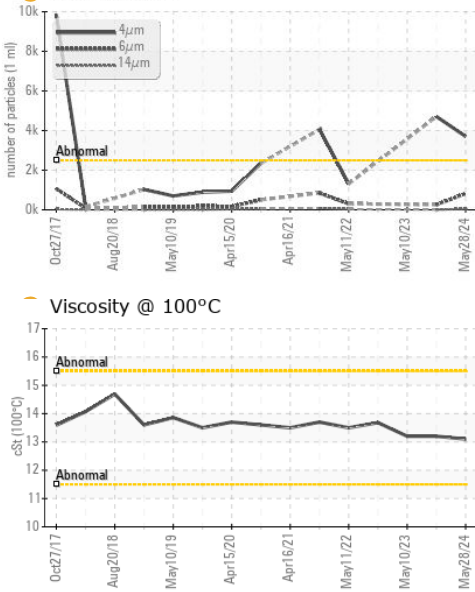
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>3703</b>	4710	---
Particles >6µm	ASTM D7647	>640	<b>816</b>	256	---
Particles >14µm	ASTM D7647	>80	<b>42</b>	11	---
Particles >21µm	ASTM D7647	>20	<b>9</b>	3	---
Particles >38µm	ASTM D7647	>4	<b>1</b>	0	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>19/17/13</b>	19/15/11	---

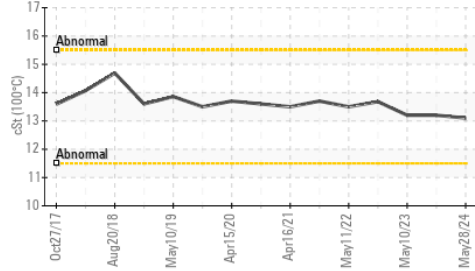
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.388	<b>0.40</b>	0.48	0.47

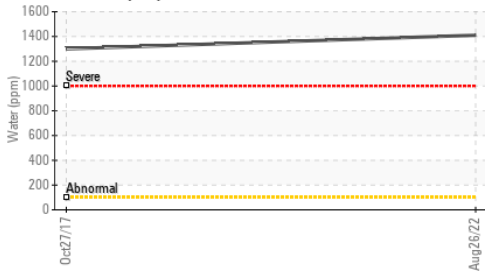
### Particle Trend



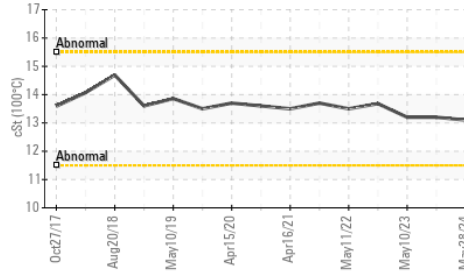
### Viscosity @ 100°C



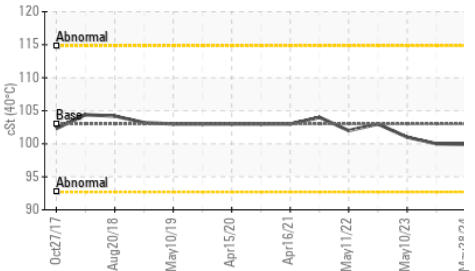
### Water (KF)



### Viscosity @ 100°C



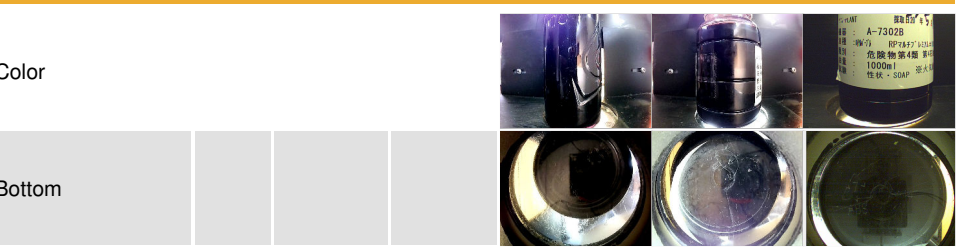
### Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	▲ MODER
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	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

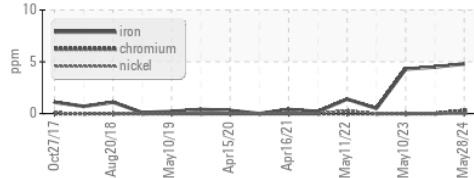
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	103	99.9	100
Visc @ 100°C	cSt	ASTM D445	13.1	13.2	13.2
Viscosity Index (VI)	Scale	ASTM D2270	128	129	128

### SAMPLE IMAGES

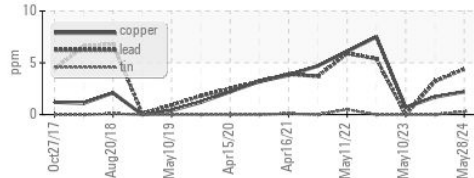


### GRAPHS

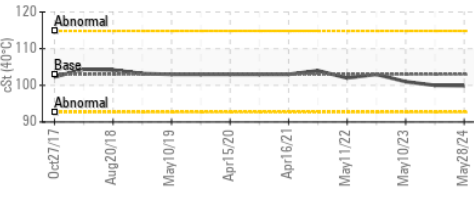
#### Ferrous Alloys



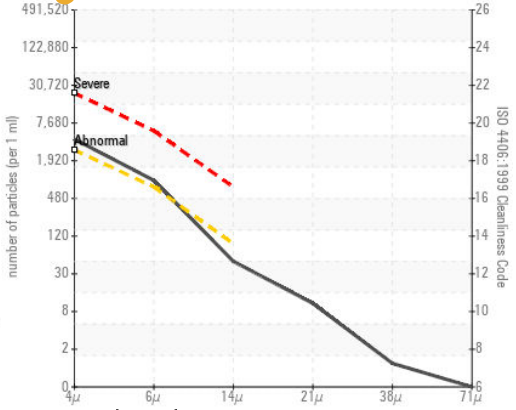
#### Non-ferrous Metals



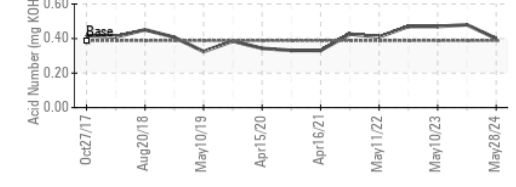
#### Viscosity @ 40°C



#### Particle Count



#### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0932110 **Received** : 07 Jun 2024  
**Lab Number** : 06203355 **Tested** : 11 Jun 2024  
**Unique Number** : 11070816 **Diagnosed** : 11 Jun 2024 - Angela Borella  
**Test Package** : PLANT ( Additional Tests: KV100, VI )

**J/POWER-BD**

Contact: KENTO OKUHARA  
Mitsuo\_Miyahara@jpower.co.jp

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)

T:  
F: x