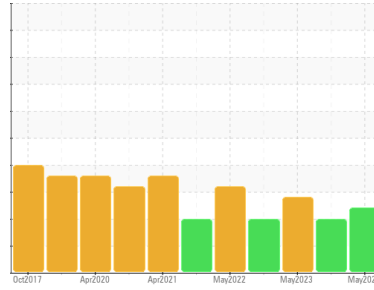




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**MCI/OS/GJ-7502B**

Component  
**Blower**

Fluid  
**ROYAL PURPLE THERMYL-GLYDE 100 (--- GAL)**

## DIAGNOSIS

### Recommendation

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

### Wear

The iron level is abnormal. All other component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 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>WC0932112</b>	WC0695235	WC0807298
Sample Date	Client Info		<b>23 May 2024</b>	16 Aug 2023	10 May 2023
Machine Age	mths	Client Info	<b>0</b>	12	23
Oil Age	mths	Client Info	<b>21</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>▲ 35</b>	▲ 43	▲ 40
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	<1
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	0
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m >20	<b>1</b>	4	1
Copper	ppm	ASTM D5185m >20	<b>3</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>2</b>	11	9
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>1</b>	2	0
Calcium	ppm	ASTM D5185m	<b>8</b>	76	93
Phosphorus	ppm	ASTM D5185m	<b>83</b>	91	101
Zinc	ppm	ASTM D5185m	<b>4</b>	5	0
Sulfur	ppm	ASTM D5185m	<b>23417</b>	22667	26861

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>2</b>	1	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	1	1
Water	%	ASTM D6304	<b>NEG</b>	NEG	NEG

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	<b>▲ 8599</b>	▲ 16321	▲ 14719
Particles >6µm	ASTM D7647	>640	<b>▲ 1998</b>	● 825	▲ 3373
Particles >14µm	ASTM D7647	>80	<b>● 82</b>	33	▲ 190
Particles >21µm	ASTM D7647	>20	<b>13</b>	9	▲ 42
Particles >38µm	ASTM D7647	>4	<b>0</b>	0	1
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>▲ 20/18/14</b>	▲ 21/17/12	▲ 21/19/15

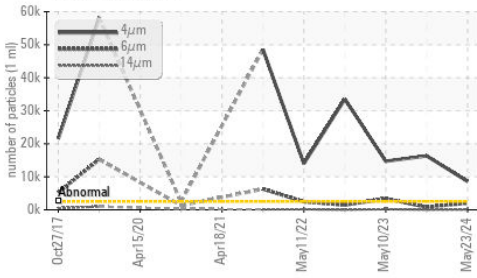
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.35</b>	0.33	0.27

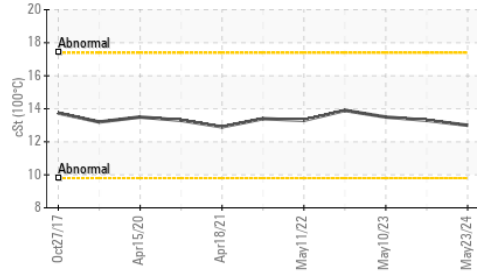


# OIL ANALYSIS REPORT

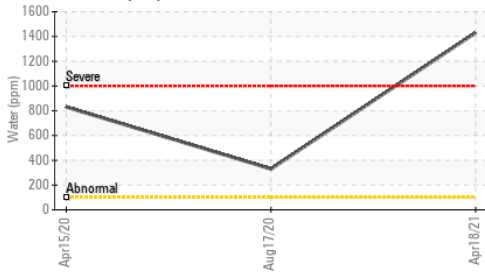
## Particle Trend



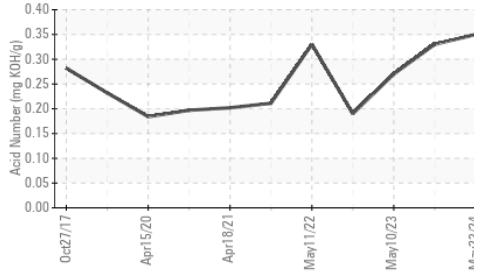
## Viscosity @ 100°C



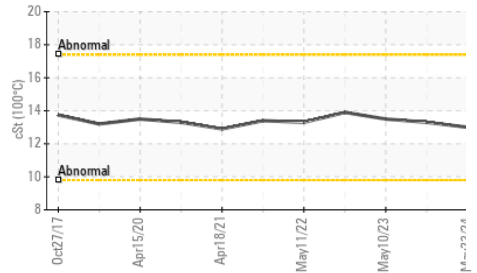
## Water (KF)



## Acid Number



## Viscosity @ 100°C

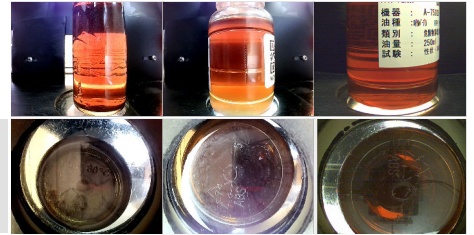


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.3	101	105
Visc @ 100°C	cSt	ASTM D445	13.0	13.3	13.5
Viscosity Index (VI)	Scale	ASTM D2270	127	129	127

SAMPLE IMAGES	method	limit/base	current	history1	history2
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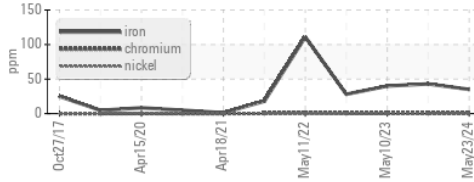
Color



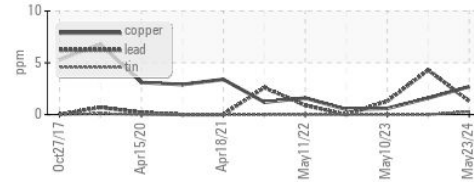
Bottom

## GRAPHS

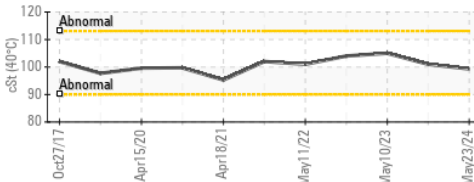
### Ferrous Alloys



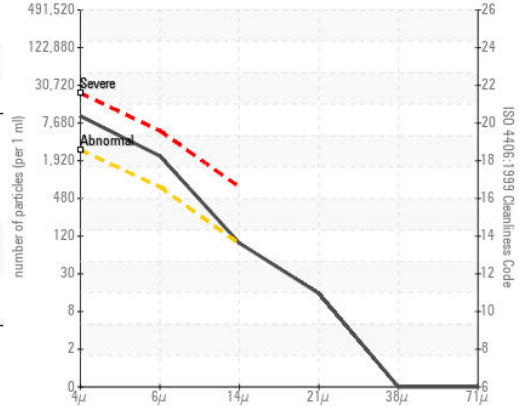
### Non-ferrous Metals



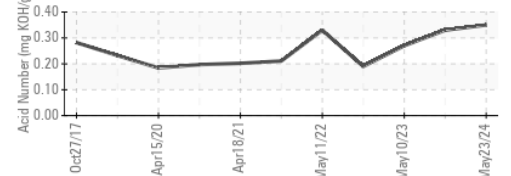
### Viscosity @ 40°C



### Particle Count



### Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0932112

Lab Number : 06203357

Unique Number : 11070818

Test Package : PLANT ( Additional Tests: KV100, VI )

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)

J/POWER-BD

Received : 07 Jun 2024

Tested : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Angela Borella

JP

Contact: KENTO OKUHARA

Mitsuo\_Miyahara@jpower.co.jp

T:

F: x: