



WEAR	<b>SEVERE</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**Q60878.02 (S/N CB0385)**  
 Component  
**Transmission (Manual)**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

We recommend that you drain the fluid and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

### WEAR

Gear wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring.

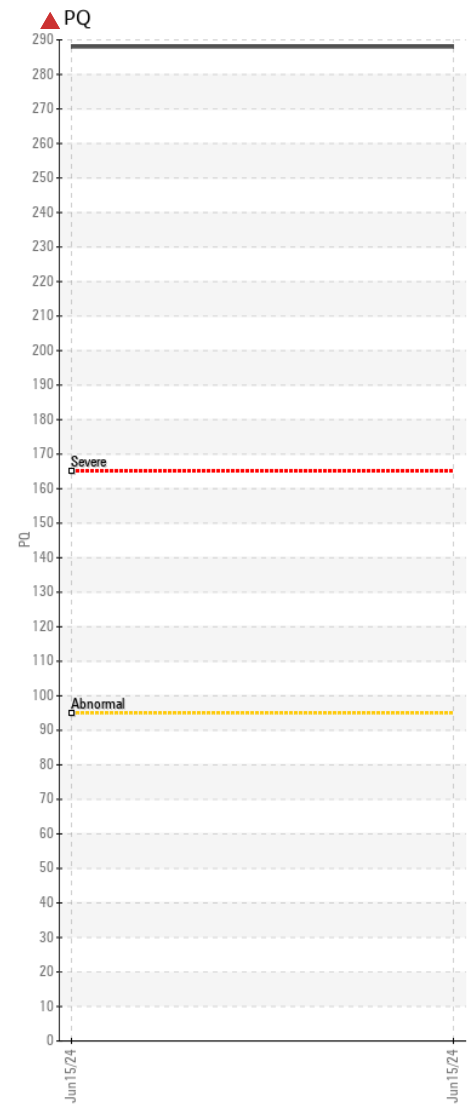
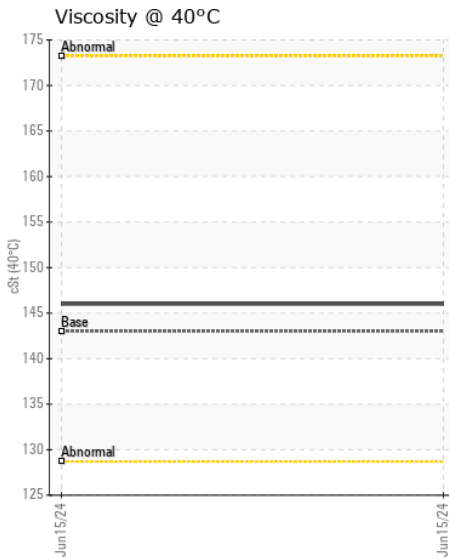
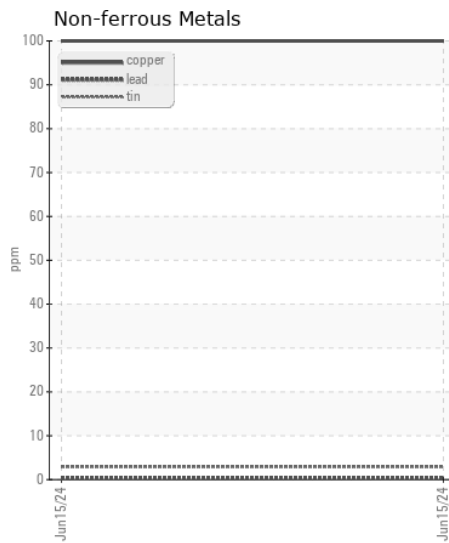
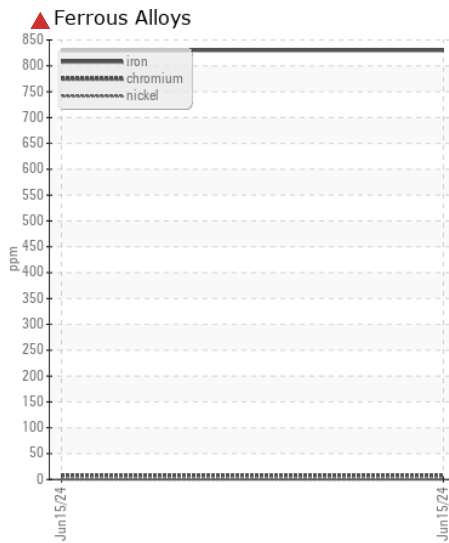
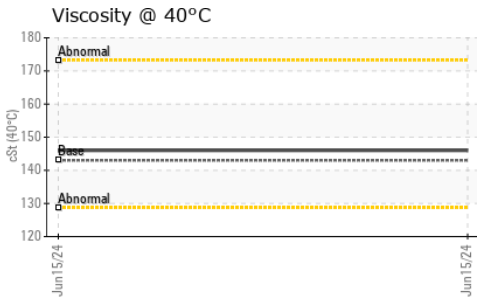
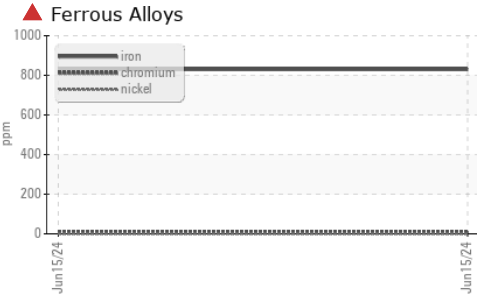
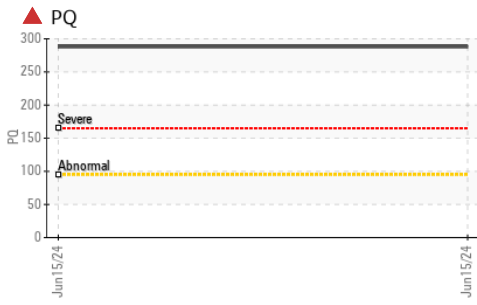
### CONTAMINATION

There is a moderate amount of visible silt present in the sample.

### FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0219354</b>	---	---
Sample Date		Client Info		<b>15 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>2723</b>	---	---
Oil Age	hrs	Client Info		<b>2723</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Chngd</b>	---	---
Filter Changed		Client Info		<b>Not Chngd</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
PQ		ASTM D8184	>95	<b>▲ 288</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>▲ 830</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>8</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>7	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	---	---
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>225	<b>100</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>3</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185m	>125	<b>50</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185m	>170	<b>15</b>	---	---
Boron	ppm	ASTM D5185m	400	<b>13</b>	---	---
Barium	ppm	ASTM D5185m	200	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>7</b>	---	---
Magnesium	ppm	ASTM D5185m	12	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m	150	<b>14</b>	---	---
Phosphorus	ppm	ASTM D5185m	1650	<b>469</b>	---	---
Zinc	ppm	ASTM D5185m	125	<b>23</b>	---	---
Sulfur	ppm	ASTM D5185m	22500	<b>16726</b>	---	---
Visc @ 40°C	cSt	ASTM D445	143	<b>146</b>	---	---



Certificate L2367

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

Sample No. : JR0219354

Lab Number : 06213696

Unique Number : 11086560

Test Package : CONST ( Additional Tests: PQ )

Received : 18 Jun 2024

Tested : 20 Jun 2024

Diagnosed : 21 Jun 2024 - Jonathan Hester

JRE - CHARLOTTE

9550 STATESVILLE ROAD

CHARLOTTE, NC

US 28269

Contact: Ray Benson

ray.benson@jamesriverequipment.com

T:

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)

F: (704)596-6198