



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

Machine Id  
**SAKAI SW880 4SW65-20125 - VIBRATOR**

Component  
**Rear Gearbox**

Fluid  
**GEAR OIL SAE 80W90 (6 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206661</b>	JR0171500	JRMC459830
Sample Date		Client Info		<b>19 Apr 2024</b>	07 Jun 2023	30 Jul 2018
Machine Age	hrs	Client Info		<b>5729</b>	5413	1775
Oil Age	hrs	Client Info		<b>316</b>	500	0
Filter Age	hrs	Client Info		<b>0</b>	500	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>16</b>	14	84
Iron	ppm	ASTM D5185m	>200	<b>1</b>	2	83
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>2</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

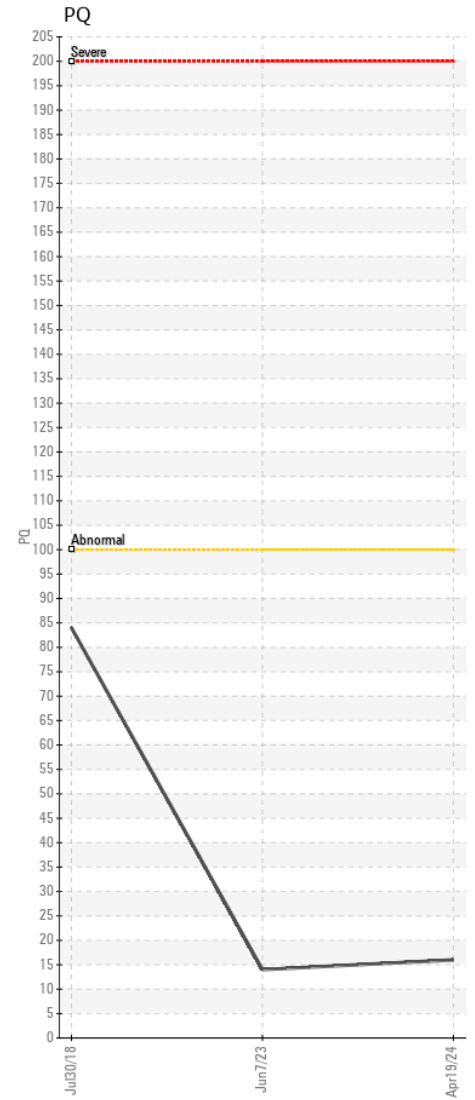
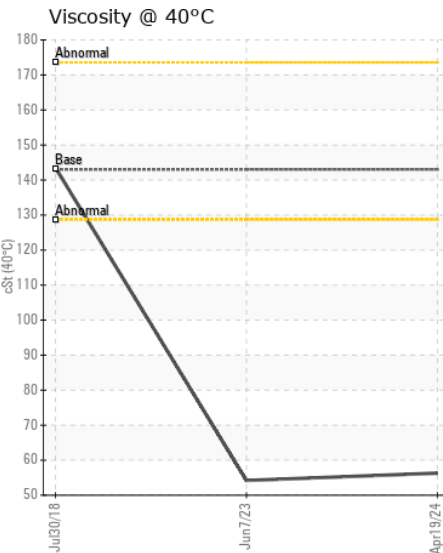
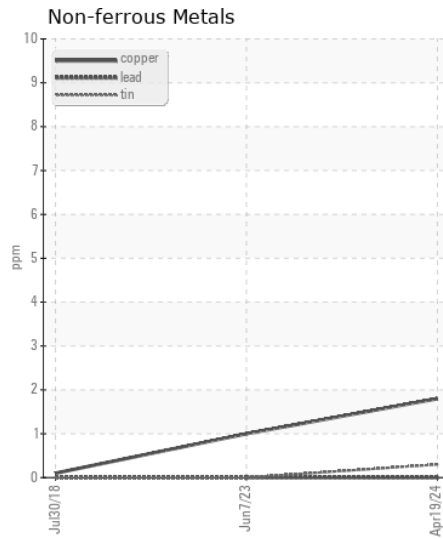
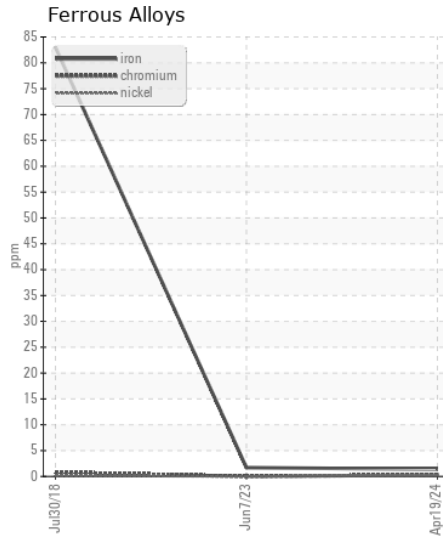
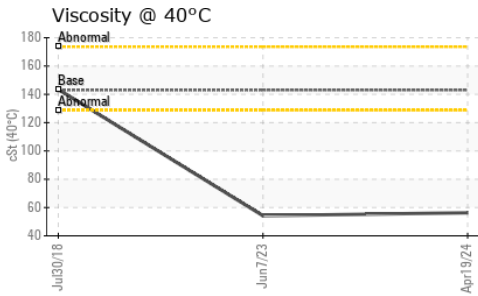
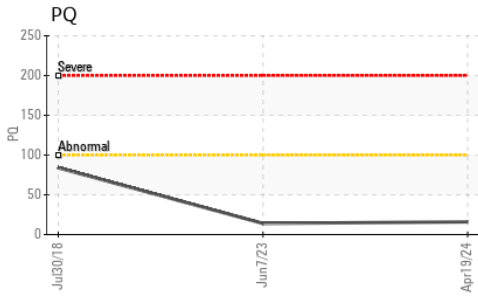
There is no indication of any contamination in the sample.

Silicon	ppm	ASTM D5185m	>50	<b>4</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	6
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the sample is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	<b>&lt;1</b>	<1	<1
Boron	ppm	ASTM D5185m	400	<b>9</b>	11	232
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>11</b>	11	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	12	<b>41</b>	40	2
Calcium	ppm	ASTM D5185m	150	<b>191</b>	212	2
Phosphorus	ppm	ASTM D5185m	1650	<b>481</b>	517	955
Zinc	ppm	ASTM D5185m	125	<b>310</b>	265	3
Sulfur	ppm	ASTM D5185m	22500	<b>1418</b>	1684	18187
Visc @ 40°C	cSt	ASTM D445	143	<b>56.3</b>	54.2	143.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206661 **Received** : 23 Apr 2024  
**Lab Number** : 06157983 **Tested** : 24 Apr 2024  
**Unique Number** : 10993406 **Diagnosed** : 25 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)