



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

Area  
**[47512]**  
Machine Id  
**SAKAI 3SV56-10146**  
Component  
**Rear Differential**  
Fluid  
**JOHN DEERE GL-5 80W90 (12 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218617</b>	JR0176100	JR0032470
Sample Date		Client Info		<b>18 Jun 2024</b>	14 Jul 2023	20 Dec 2019
Machine Age	hrs	Client Info		<b>2390</b>	1907	525
Oil Age	hrs	Client Info		<b>483</b>	500	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>16</b>	12	63
Iron	ppm	ASTM D5185m	>500	<b>6</b>	19	50
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	2
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

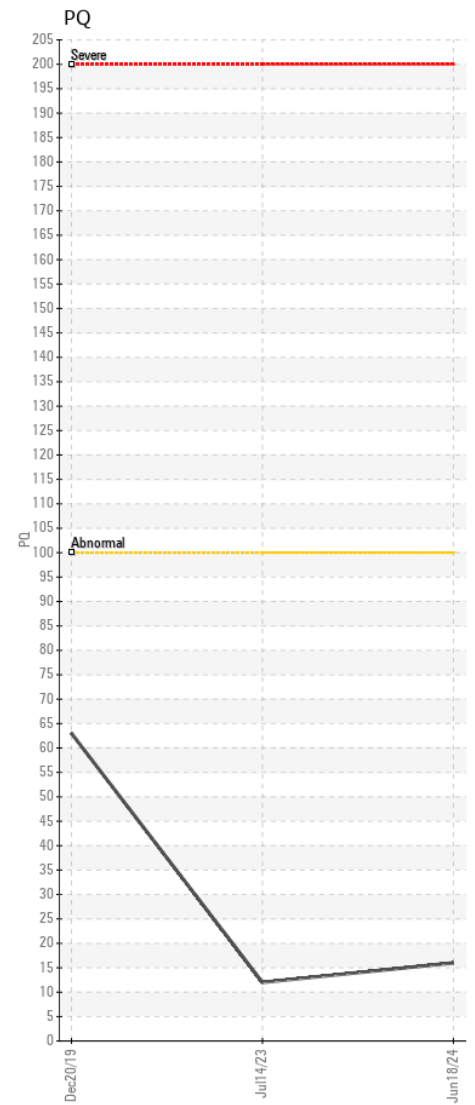
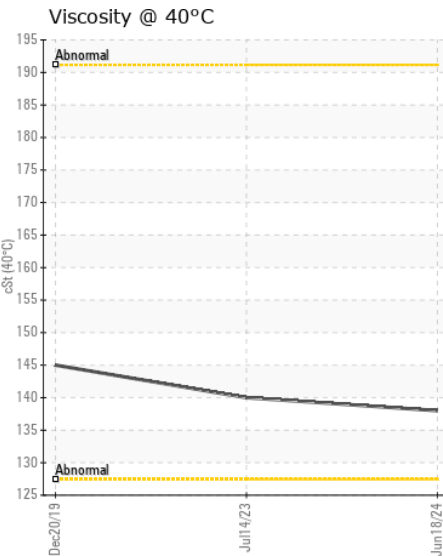
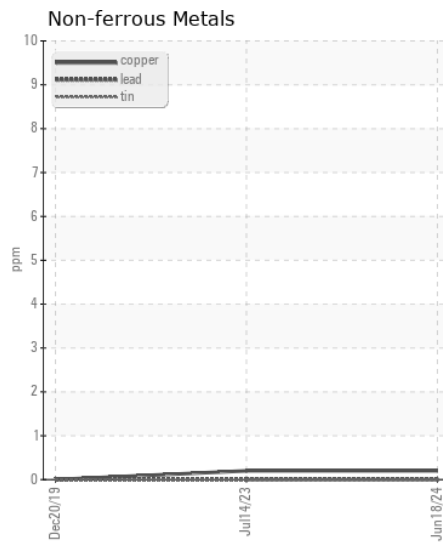
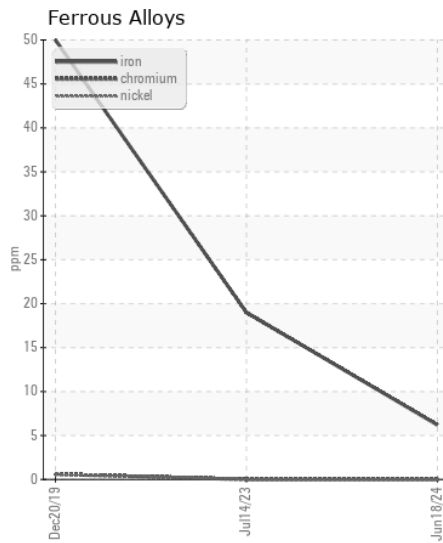
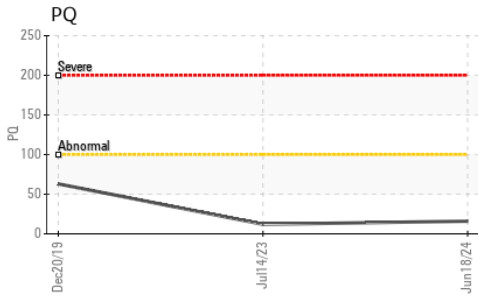
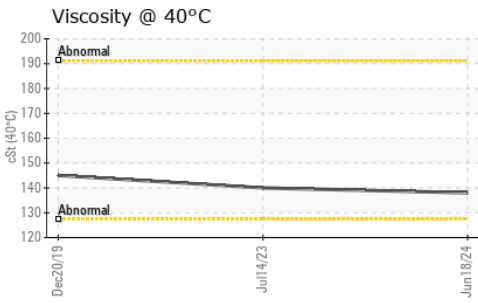
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>15</b>	51	▲ 154
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	<1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	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	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	0	16
Boron	ppm	ASTM D5185m		<b>28</b>	12	167
Barium	ppm	ASTM D5185m		<b>0</b>	0	3
Molybdenum	ppm	ASTM D5185m		<b>6</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	3
Magnesium	ppm	ASTM D5185m		<b>23</b>	2	16
Calcium	ppm	ASTM D5185m		<b>33</b>	9	66
Phosphorus	ppm	ASTM D5185m		<b>447</b>	339	1180
Zinc	ppm	ASTM D5185m		<b>24</b>	7	57
Sulfur	ppm	ASTM D5185m		<b>20544</b>	21219	4253
Visc @ 40°C	cSt	ASTM D445		<b>138</b>	140	145



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218617 **Received** : 20 Jun 2024  
**Lab Number** : 06216046 **Tested** : 22 Jun 2024  
**Unique Number** : 11088910 **Diagnosed** : 23 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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)

**CWS-STRITTMATTER**  
 9102 OWENS DR  
 MANASSAS PARK, VA  
 US 20111

Contact: EDDIE GARRETSON  
 egarretson@strittmattercompanies.com

T: (703)335-2255

F: (703)335-8095