



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



Machine Id  
**JOHN DEERE 310SJ 44 (S/N T0310SJ146542)**  
 Component  
**Front Right Planetary**  
 Fluid  
**NOT GIVEN (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0191869</b>	JR0115580	JRMC466342
Sample Date		Client Info		<b>27 Feb 2024</b>	06 Sep 2022	04 May 2020
Machine Age	hrs	Client Info		<b>3723</b>	3211	3211
Oil Age	hrs	Client Info		<b>3723</b>	3211	932
Filter Age	hrs	Client Info		<b>3723</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>44</b>	28	43
Iron	ppm	ASTM D5185m	>500	<b>120</b>	84	111
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	2	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>1</b>	5	<1
Copper	ppm	ASTM D5185m	>75	<b>1</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

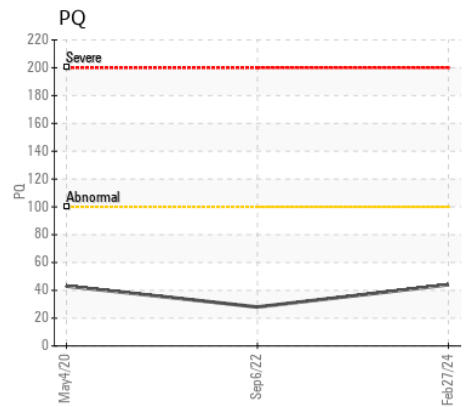
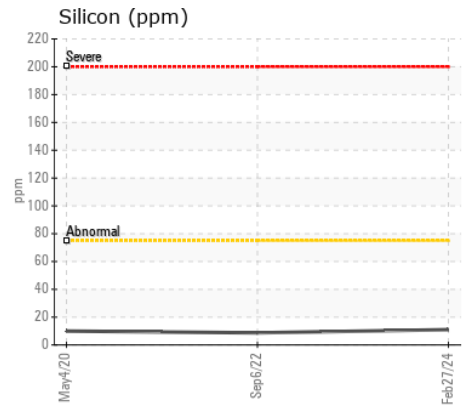
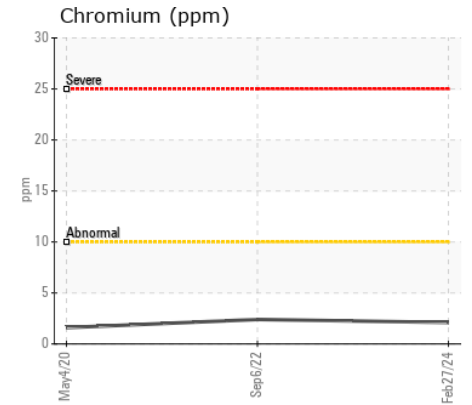
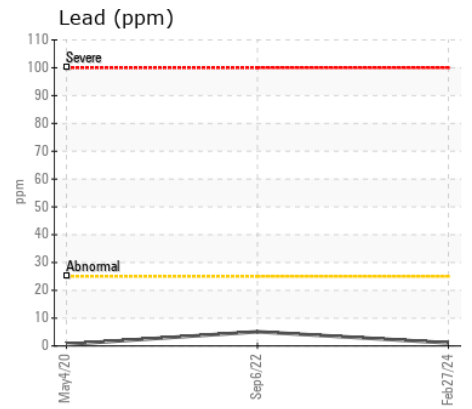
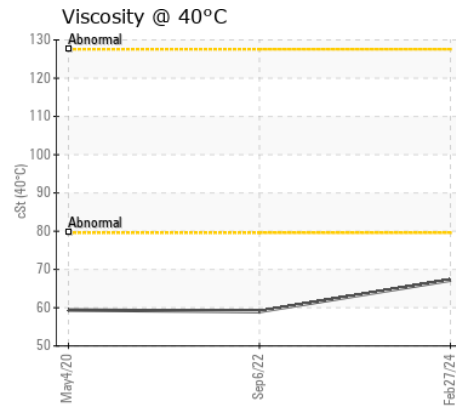
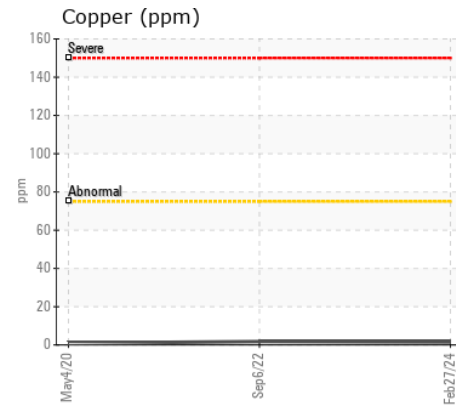
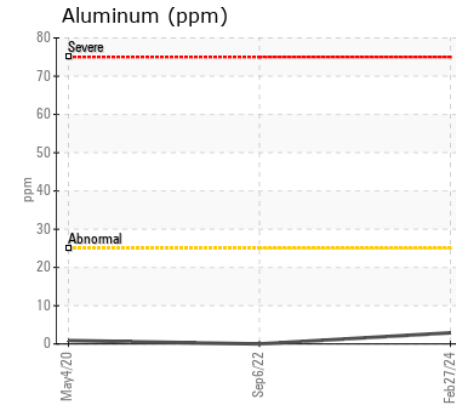
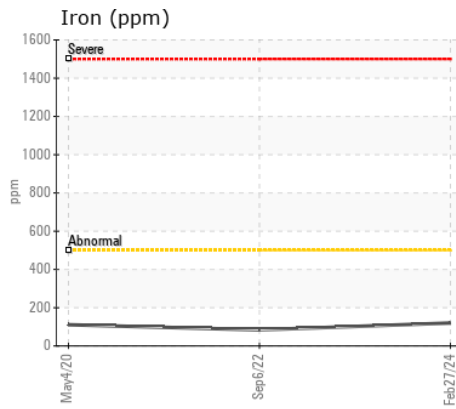
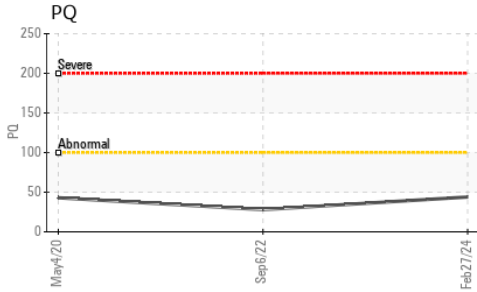
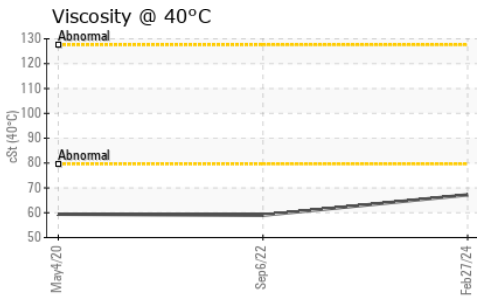
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>11</b>	9	10
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	7	0
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>	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	>0.2	<b>NEG</b>	NEG	0.2%

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>4</b>	9	4
Boron	ppm	ASTM D5185m		<b>16</b>	13	20
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Manganese	ppm	ASTM D5185m		<b>2</b>	2	1
Magnesium	ppm	ASTM D5185m		<b>54</b>	73	90
Calcium	ppm	ASTM D5185m		<b>2014</b>	2048	3580
Phosphorus	ppm	ASTM D5185m		<b>887</b>	765	1106
Zinc	ppm	ASTM D5185m		<b>800</b>	842	1209
Sulfur	ppm	ASTM D5185m		<b>10852</b>	5359	6294
Visc @ 40°C	cSt	ASTM D445		<b>67.2</b>	59.0	59.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0191869 **Received** : 15 Apr 2024  
**Lab Number** : 06148942 **Tested** : 16 Apr 2024  
**Unique Number** : 10979020 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : MOBCE ( 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)

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