



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



Machine Id  
**JOHN DEERE 450J 1T0450JXKGD297478**  
Component  
**Right Final Drive**  
Fluid  
**{not provided} (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0189208</b>	JR0155421	JR0119612
Sample Date		Client Info		<b>11 Apr 2024</b>	15 Mar 2023	28 Feb 2022
Machine Age	hrs	Client Info		<b>5968</b>	5445	4958
Oil Age	hrs	Client Info		<b>523</b>	500	500
Filter Age	hrs	Client Info		<b>0</b>	500	500
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>14</b>	22	36
Iron	ppm	ASTM D5185m	>750	<b>3</b>	20	49
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	<1	5
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

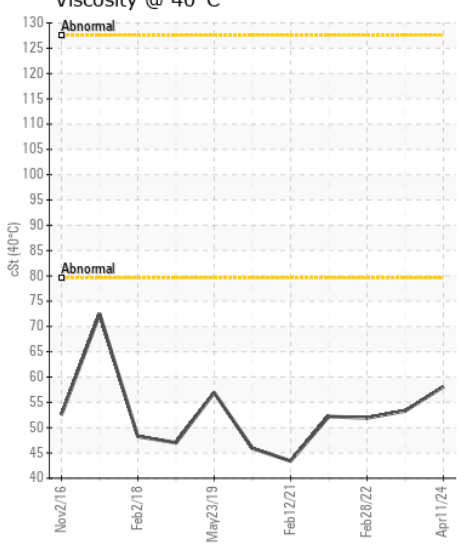
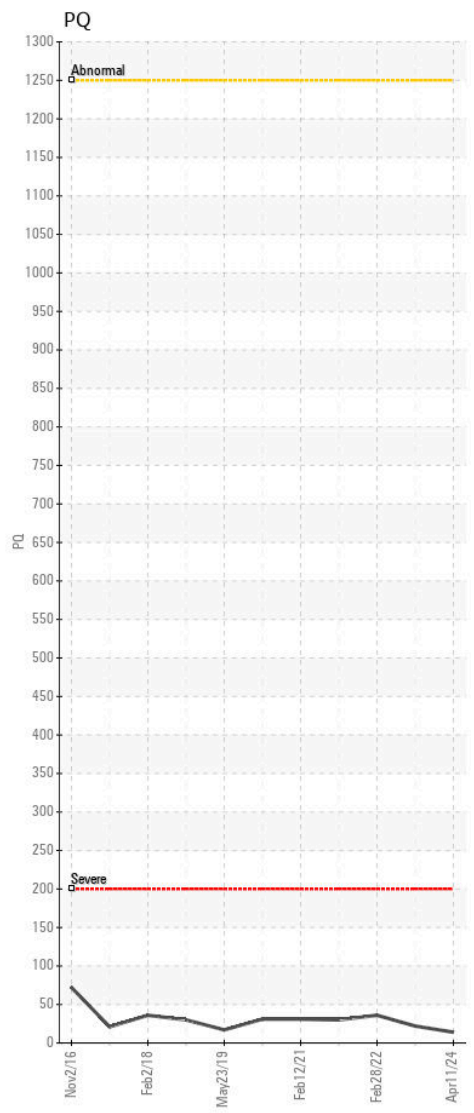
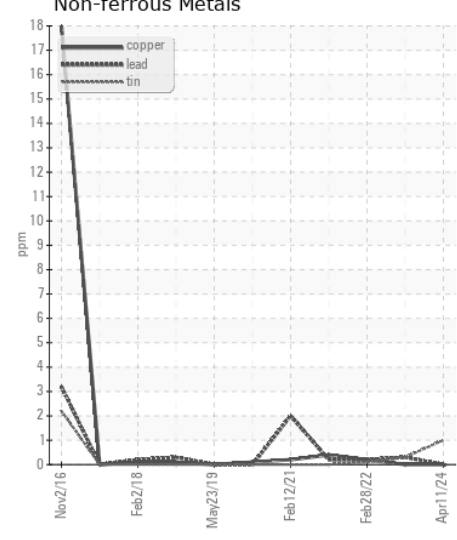
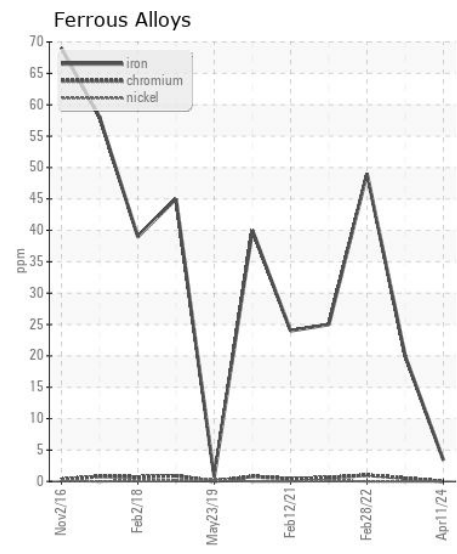
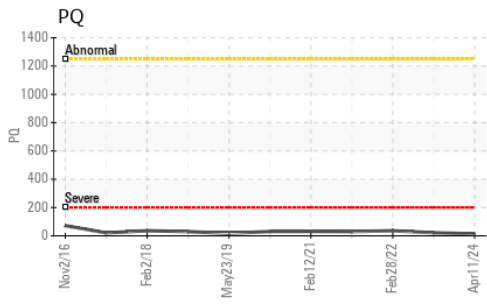
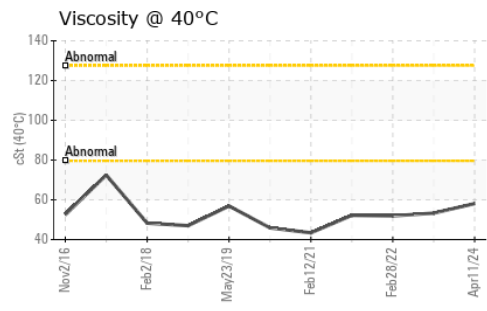
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>5</b>	8	17
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	3
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	<1	0
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Manganese	ppm	ASTM D5185m		<b>0</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>91</b>	94	96
Calcium	ppm	ASTM D5185m		<b>3106</b>	3205	3451
Phosphorus	ppm	ASTM D5185m		<b>912</b>	886	1011
Zinc	ppm	ASTM D5185m		<b>1057</b>	1146	1247
Sulfur	ppm	ASTM D5185m		<b>3675</b>	3320	2979
Visc @ 40°C	cSt	ASTM D445		<b>58.1</b>	53.3	51.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0189208 **Received** : 15 Apr 2024  
**Lab Number** : 06149621 **Tested** : 16 Apr 2024  
**Unique Number** : 10979699 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**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)