



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



Machine Id  
**JOHN DEERE 550K 1T0550KXPGF297535**  
Component  
**Right Final Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0201459</b>	JR0176880	JR0149468
Sample Date		Client Info		<b>04 Jan 2024</b>	25 Jul 2023	17 Oct 2022
Machine Age	hrs	Client Info		<b>6061</b>	5746	5291
Oil Age	hrs	Client Info		<b>770</b>	455	1131
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
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	>1250	<b>28</b>	22	30
Iron	ppm	ASTM D5185m	>750	<b>17</b>	28	38
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	3	3
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>1</b>	0	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

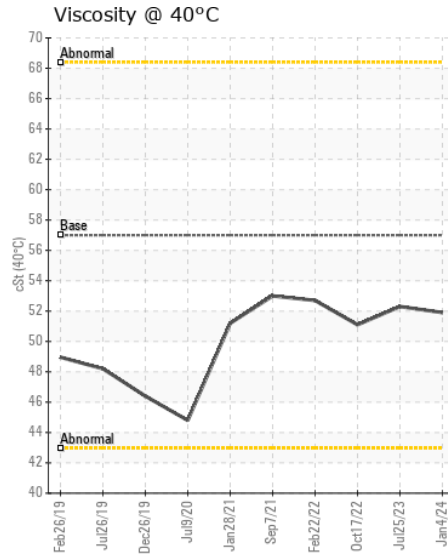
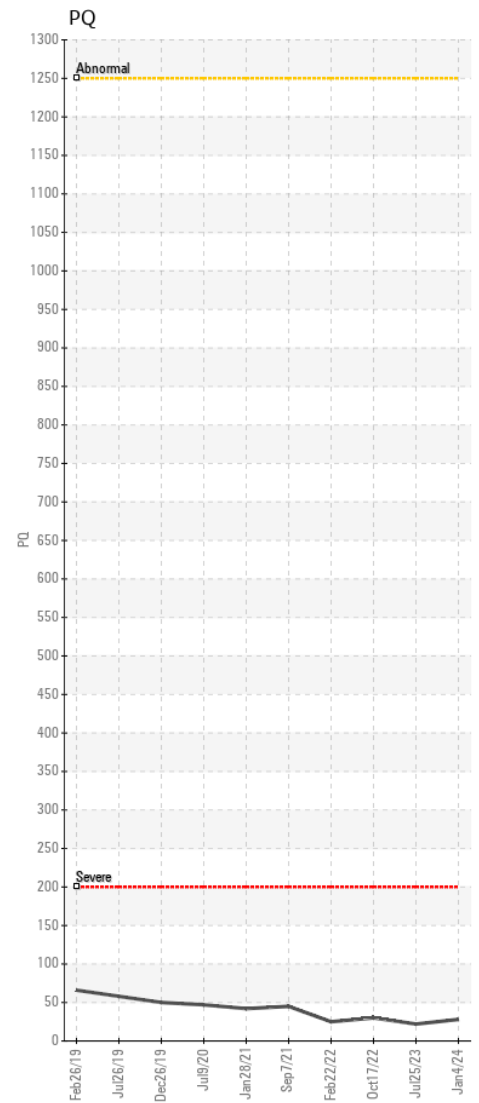
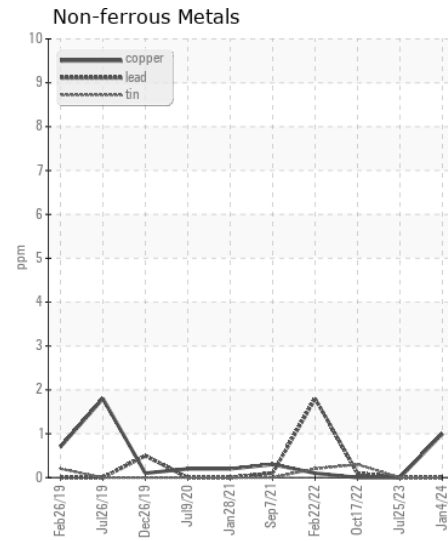
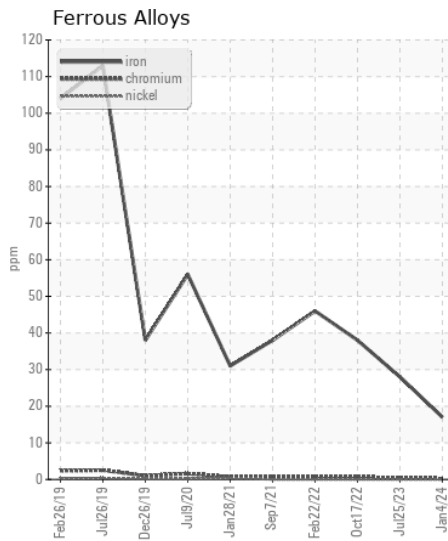
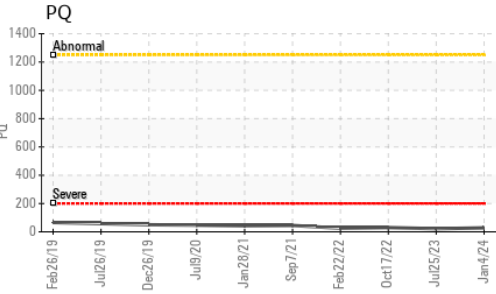
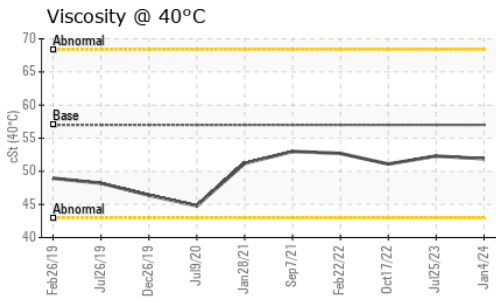
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	11	9
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
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	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	>0.075	<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>0</b>	1	<1
Boron	ppm	ASTM D5185m	6	<b>0</b>	2	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>97</b>	96	102
Calcium	ppm	ASTM D5185m	3570	<b>3298</b>	3519	3493
Phosphorus	ppm	ASTM D5185m	1290	<b>986</b>	1058	988
Zinc	ppm	ASTM D5185m	1640	<b>1206</b>	1257	1186
Sulfur	ppm	ASTM D5185m		<b>3370</b>	4187	4336
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.9</b>	52.3	51.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201459 **Received** : 16 Jan 2024  
**Lab Number** : 06062216 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10833598 **Diagnostician** : Wes Davis  
**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)

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