



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

Area  
**BEALETON**  
Machine Id  
**JOHN DEERE 944K M02-0913 1DW944KXKML703638**  
Component  
**Rear 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>JR0175985</b>	JR0146442	JR0123225
Sample Date		Client Info		<b>01 Feb 2024</b>	13 Oct 2022	12 Apr 2022
Machine Age	hrs	Client Info		<b>3563</b>	1626	500
Oil Age	hrs	Client Info		<b>2000</b>	1403	500
Filter Age	hrs	Client Info		<b>300</b>	1403	500
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>16</b>	11	19
Iron	ppm	ASTM D5185m	>750	<b>39</b>	20	11
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>84</b>	▲ 75	3
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
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

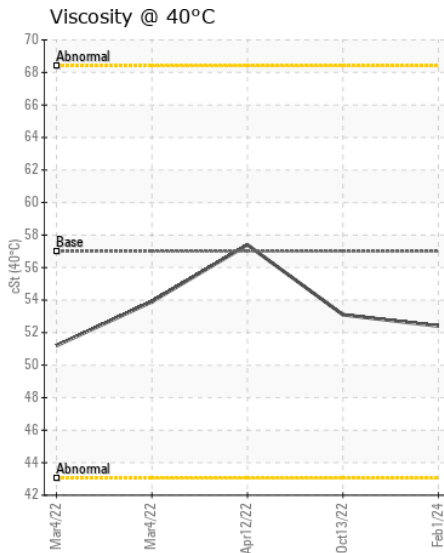
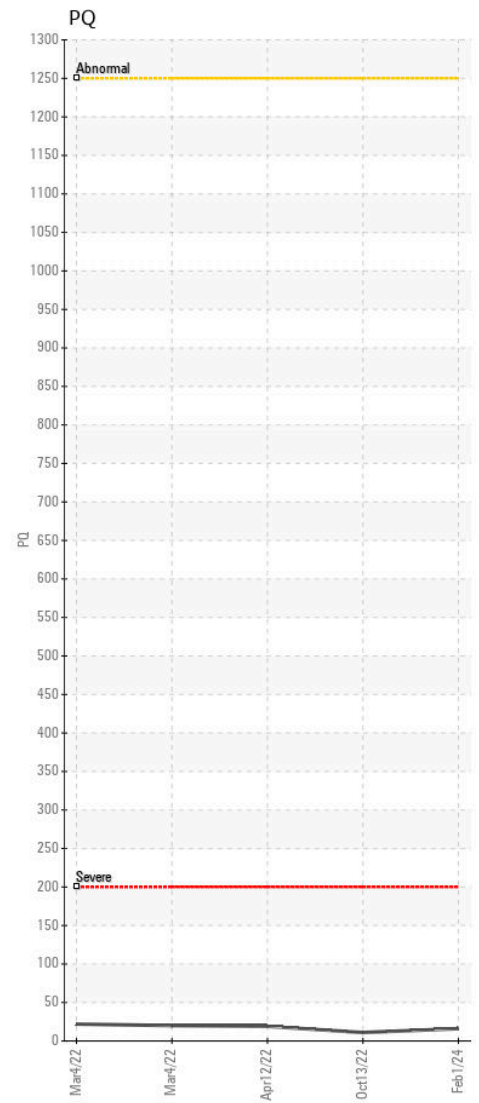
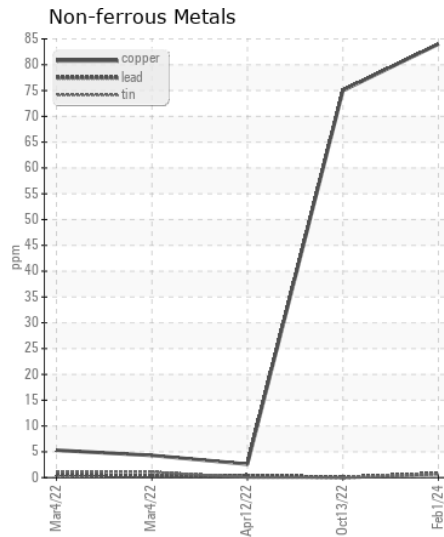
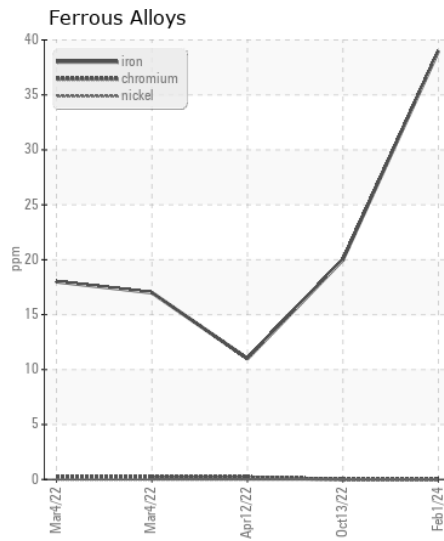
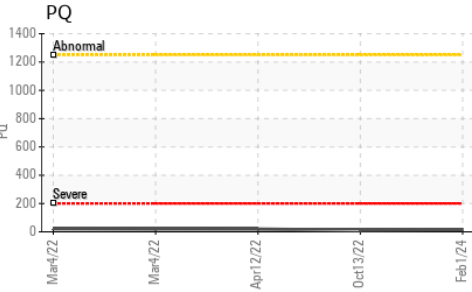
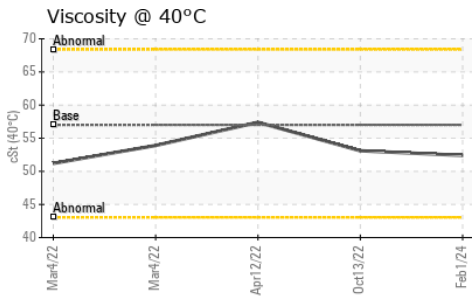
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>29</b>	34	15
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	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>3</b>	0	0
Boron	ppm	ASTM D5185m	6	<b>10</b>	9	0
Barium	ppm	ASTM D5185m	0	<b>1</b>	3	0
Molybdenum	ppm	ASTM D5185m	0	<b>6</b>	4	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>108</b>	102	117
Calcium	ppm	ASTM D5185m	3570	<b>3089</b>	3355	3555
Phosphorus	ppm	ASTM D5185m	1290	<b>934</b>	971	1054
Zinc	ppm	ASTM D5185m	1640	<b>1088</b>	1176	1138
Sulfur	ppm	ASTM D5185m		<b>3625</b>	3823	3185
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.4</b>	53.1	57.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0175985 **Received** : 28 Feb 2024  
**Lab Number** : 06103236 **Tested** : 01 Mar 2024  
**Unique Number** : 10901466 **Diagnosed** : 01 Mar 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)

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