



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

Area  
**BOSCOBEL**  
Machine Id  
**JOHN DEERE 944K M02-0912 1DW944KXCLF703065**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0164752</b>	JR0165944	JR0166033
Sample Date		Client Info		<b>12 Apr 2024</b>	05 Feb 2024	21 Nov 2023
Machine Age	hrs	Client Info		<b>4573</b>	4045	4045
Oil Age	hrs	Client Info		<b>2000</b>	4045	1300
Filter Age	hrs	Client Info		<b>2000</b>	4045	1300
Oil Changed		Client Info		<b>Not Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>10</b>	15	12
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	4	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	4	3
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>3</b>	6	7
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	<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

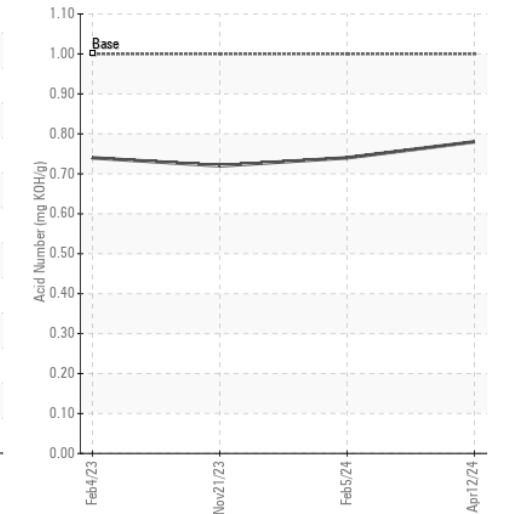
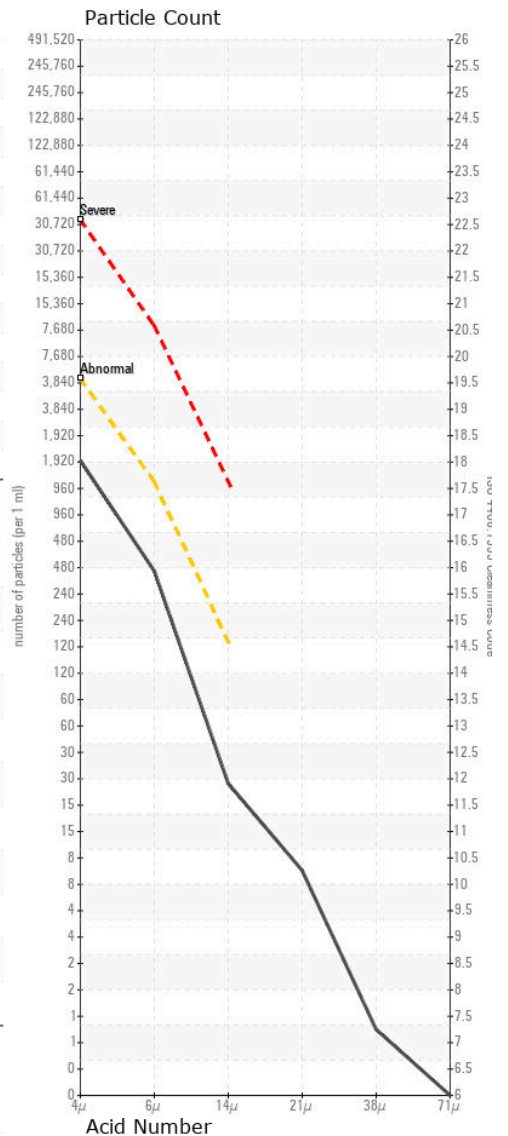
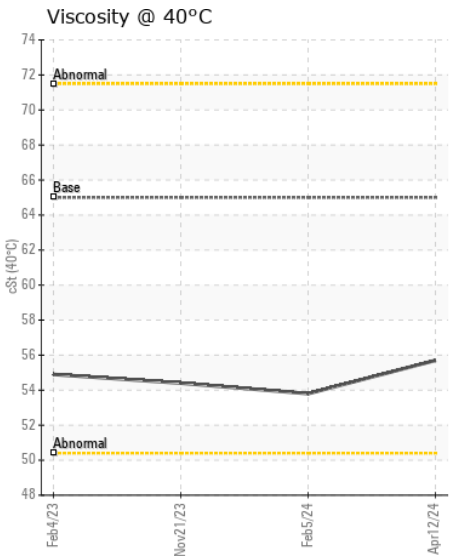
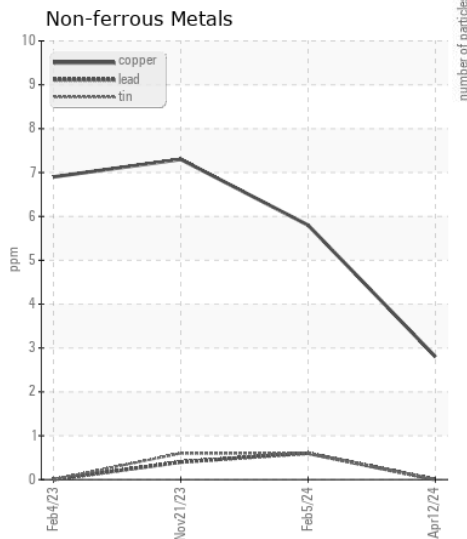
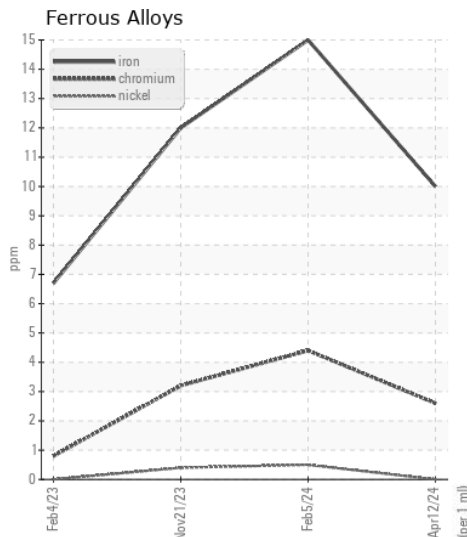
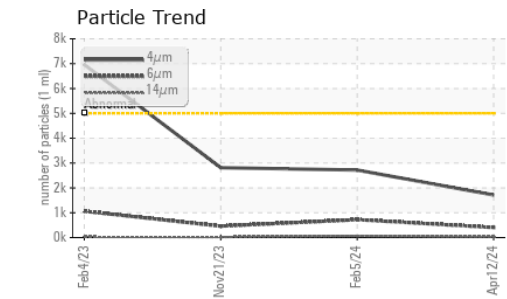
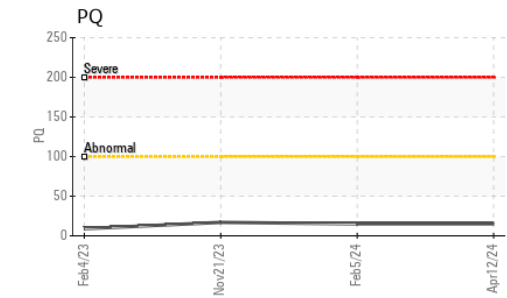
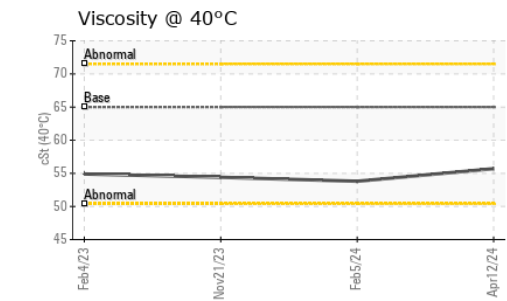
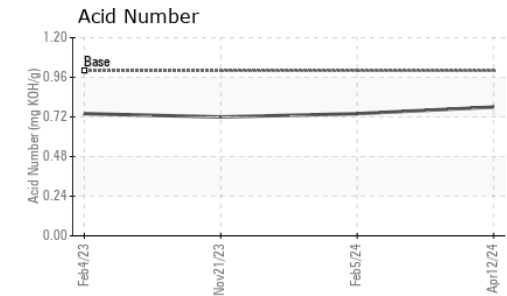
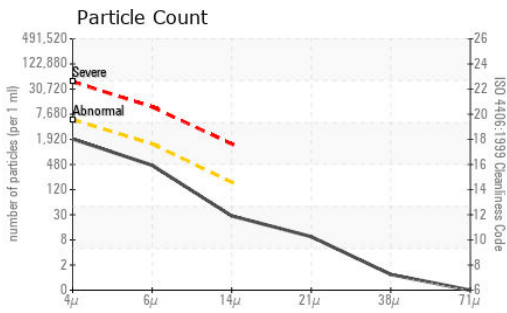
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	7	8
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>1714</b>	2717	2813
Particles >6µm		ASTM D7647	>1300	<b>404</b>	721	460
Particles >14µm		ASTM D7647	>160	<b>25</b>	64	19
Particles >21µm		ASTM D7647	>40	<b>8</b>	19	4
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/16/12</b>	19/17/13	19/16/11
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	5	4
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	3	4
Calcium	ppm	ASTM D5185m	87	<b>97</b>	114	154
Phosphorus	ppm	ASTM D5185m	727	<b>634</b>	659	658
Zinc	ppm	ASTM D5185m	900	<b>808</b>	836	832
Sulfur	ppm	ASTM D5185m	1500	<b>1815</b>	1556	1578
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.78</b>	0.74	0.72
Visc @ 40°C	cSt	ASTM D445	65	<b>55.7</b>	53.8	54.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0164752 **Received** : 25 Apr 2024  
**Lab Number** : 06160236 **Tested** : 26 Apr 2024  
**Unique Number** : 10995659 **Diagnosed** : 26 Apr 2024 - 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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