



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

Machine Id  
**JOHN DEERE 132**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0189762</b>	JR0189723	JR0135394
Sample Date		Client Info		<b>06 Mar 2024</b>	09 Jan 2024	07 Jun 2023
Machine Age	hrs	Client Info		<b>3500</b>	3000	2003
Oil Age	hrs	Client Info		<b>3500</b>	3000	2003
Filter Age	hrs	Client Info		<b>3500</b>	3000	2003
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal for time on oil.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>17</b>	17	12
Iron	ppm	ASTM D5185m	>20	<b>7</b>	9	5
Chromium	ppm	ASTM D5185m	>10	<b>12</b>	11	6
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

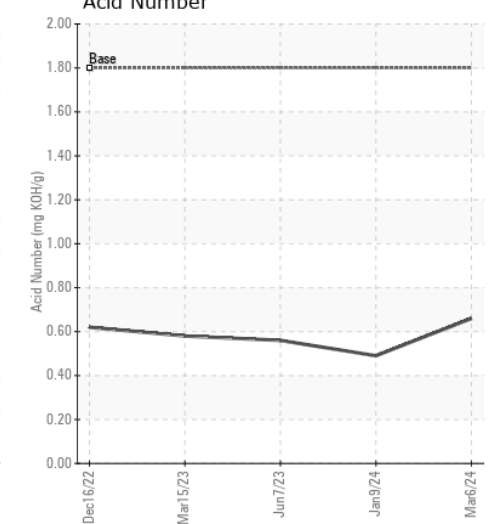
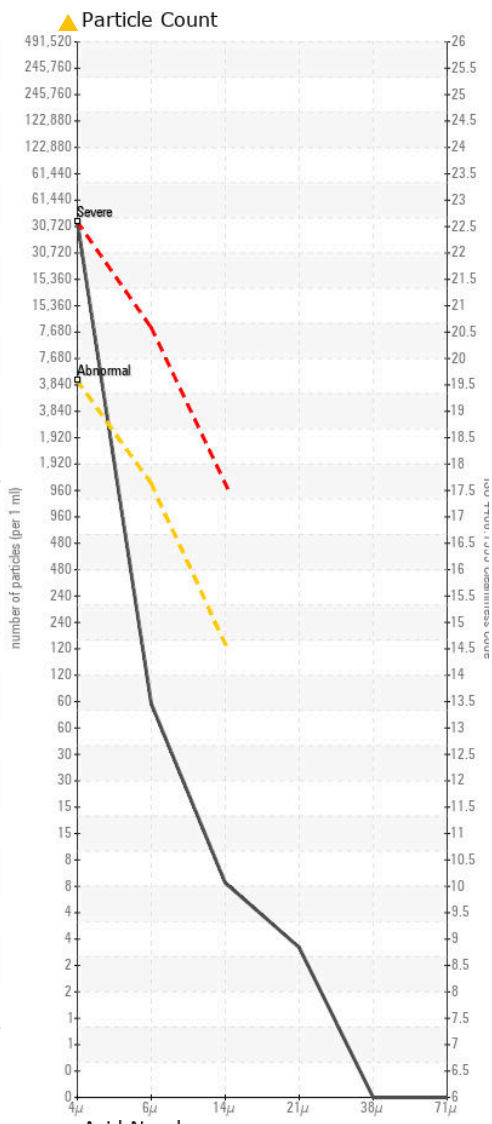
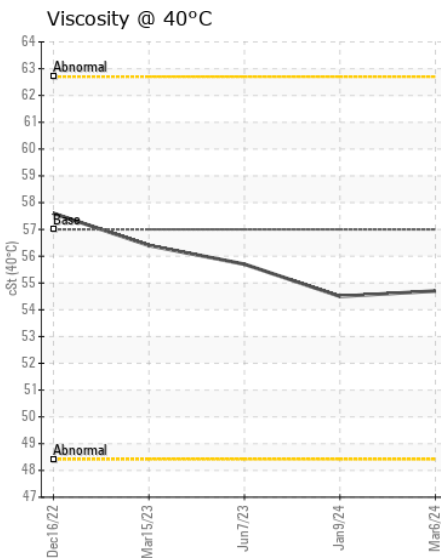
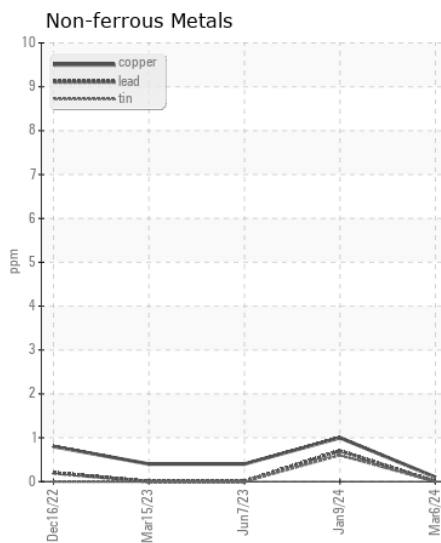
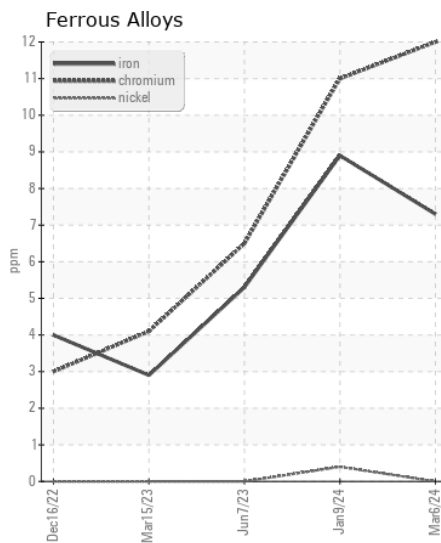
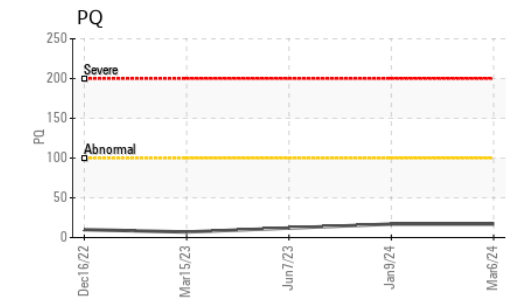
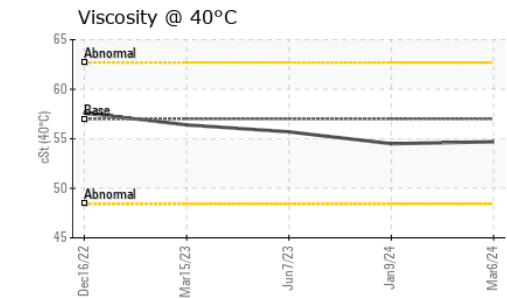
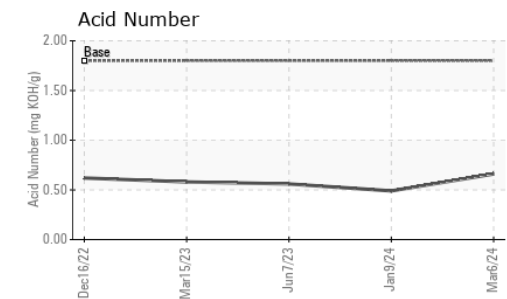
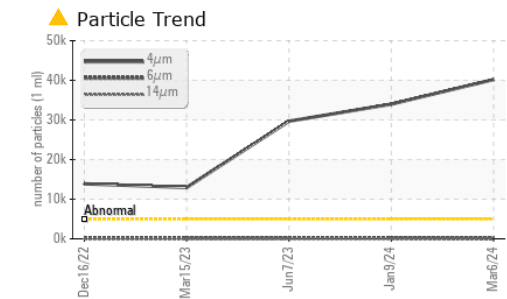
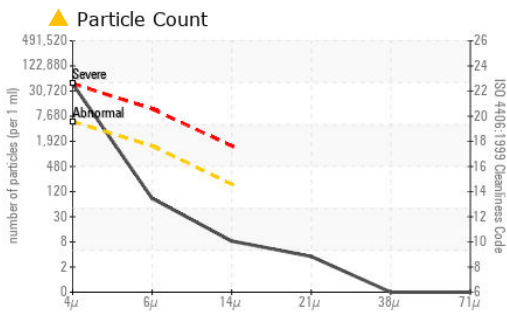
There is a high amount of silt (particulates < 6 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 40203</b>	▲ 33982	▲ 29686
Particles >6µm		ASTM D7647	>1300	<b>73</b>	145	156
Particles >14µm		ASTM D7647	>160	<b>7</b>	18	13
Particles >21µm		ASTM D7647	>40	<b>3</b>	6	3
Particles >38µm		ASTM D7647	>10	<b>0</b>	1	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 23/13/10</b>	▲ 22/14/11	▲ 22/14/11
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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	<1	2
Boron	ppm	ASTM D5185m	6	<b>17</b>	17	13
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>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>8</b>	12	7
Calcium	ppm	ASTM D5185m	3570	<b>701</b>	671	571
Phosphorus	ppm	ASTM D5185m	1290	<b>765</b>	762	704
Zinc	ppm	ASTM D5185m	1640	<b>961</b>	981	946
Sulfur	ppm	ASTM D5185m		<b>3049</b>	2953	3010
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	<b>0.66</b>	0.49	0.56
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.7</b>	54.5	55.7



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0189762 **Received** : 20 Mar 2024  
**Lab Number** : 06124275 **Tested** : 21 Mar 2024  
**Unique Number** : 10938426 **Diagnosed** : 23 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**THE SCOTTS COMPANY**  
 3175 BRIGHT LEAF RD  
 LAWRENCEVILLE, VA  
 US 23868  
 Contact: REX WATSON

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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