



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

Machine Id  
**JOHN DEERE 135**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE (--- QTS)**

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0189758</b>	JR0189770	JR0135325
Sample Date		Client Info		<b>21 Jun 2024</b>	01 Feb 2024	18 Oct 2023
Machine Age	hrs	Client Info		<b>2496</b>	2000	1500
Oil Age	hrs	Client Info		<b>2496</b>	2000	500
Filter Age	hrs	Client Info		<b>2496</b>	2000	500
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Sample Status				<b>ATTENTION</b>	ABNORMAL	ATTENTION

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>15</b>	10	12
Iron	ppm	ASTM D5185m	>20	<b>6</b>	7	5
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	2	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	0
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>5</b>	6	6
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

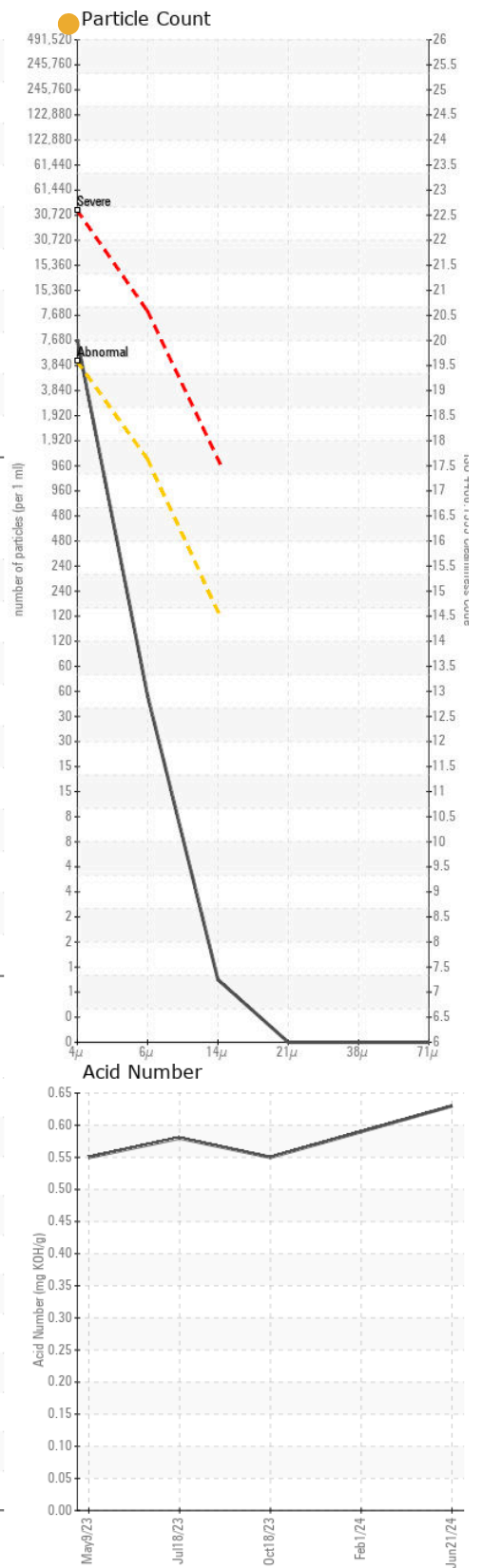
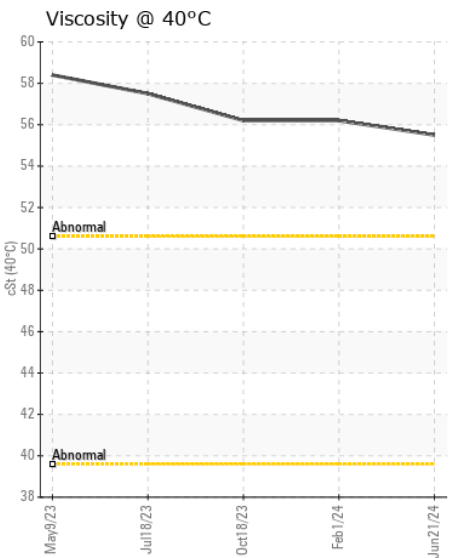
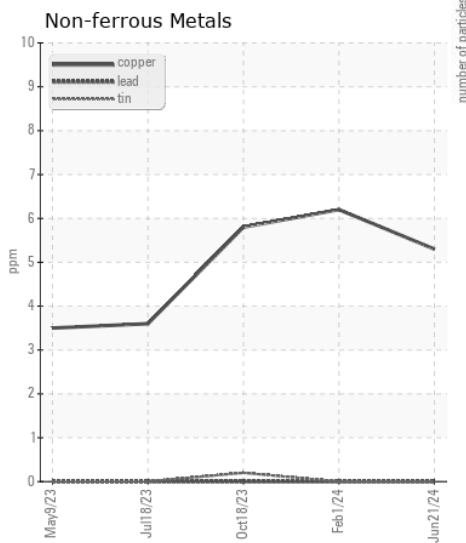
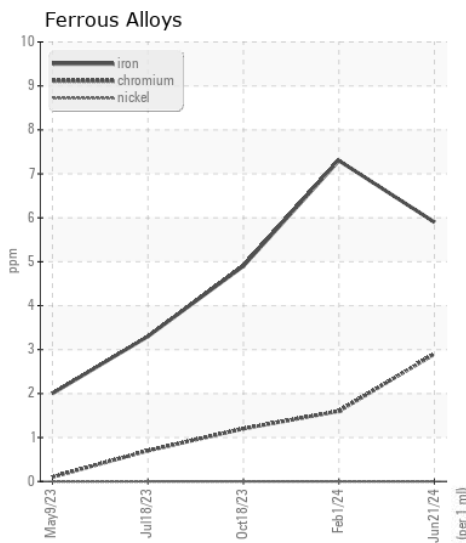
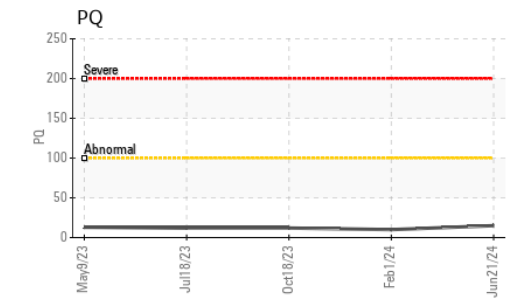
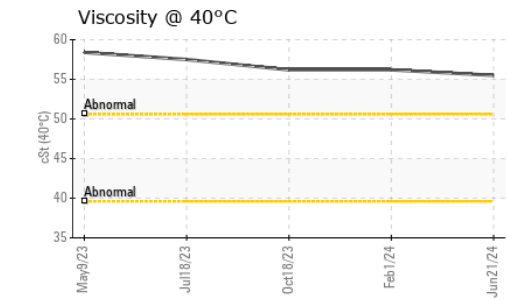
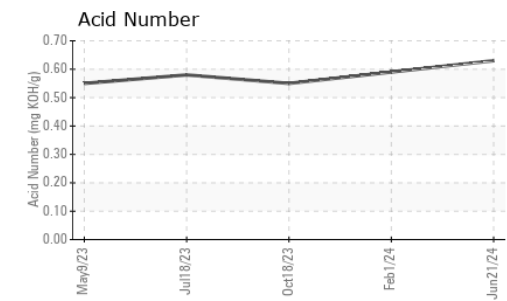
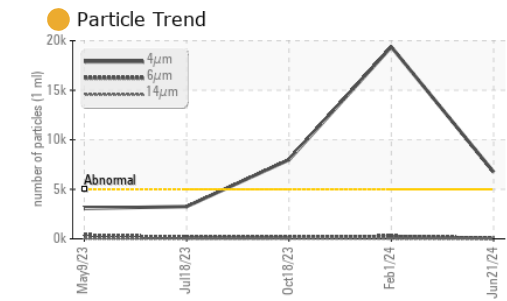
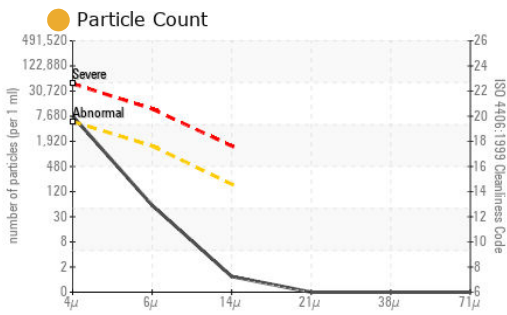
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>8</b>	13	10
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>6746</b>	19372	7980
Particles >6µm		ASTM D7647	>1300	<b>50</b>	250	141
Particles >14µm		ASTM D7647	>160	<b>1</b>	11	17
Particles >21µm		ASTM D7647	>40	<b>0</b>	4	4
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/13/7</b>	21/15/11	20/14/11
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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	0	3
Boron	ppm	ASTM D5185m		<b>7</b>	9	8
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>3</b>	10	0
Calcium	ppm	ASTM D5185m		<b>374</b>	414	466
Phosphorus	ppm	ASTM D5185m		<b>643</b>	654	674
Zinc	ppm	ASTM D5185m		<b>778</b>	978	886
Sulfur	ppm	ASTM D5185m		<b>2248</b>	2305	2186
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.63</b>	0.59	0.55
Visc @ 40°C	cSt	ASTM D445		<b>55.5</b>	56.2	56.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0189758 **Received** : 08 Jul 2024  
**Lab Number** : 06230083 **Tested** : 09 Jul 2024  
**Unique Number** : 11113576 **Diagnosed** : 09 Jul 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)

**THE SCOTTS COMPANY**  
 3175 BRIGHT LEAF RD  
 LAWRENCEVILLE, VA  
 US 23868

Contact: DAVID WALTON  
 david.walton@scotts.com

T: (434)637-6114

F: (434)848-2250