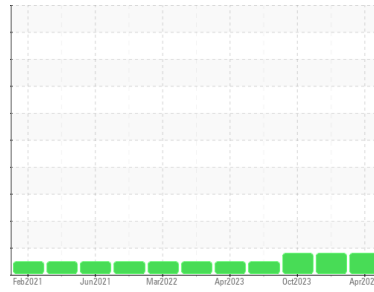


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**ISO**


Machine Id  
**JOHN DEERE 130**  
Component  
**Hydraulic System**  
Fluid  
**MOBIL 10W (--- QTS)**

**DIAGNOSIS**
**Recommendation**

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

**Wear**

All component wear rates are normal for time on oil.

**Contamination**

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

**Fluid Condition**

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>JR0189712</b>	JR0189727	JR0135328
Sample Date	Client Info			<b>08 Apr 2024</b>	24 Jan 2024	10 Oct 2023
Machine Age	hrs	Client Info		<b>7014</b>	6500	6000
Oil Age	hrs	Client Info		<b>3000</b>	1500	2000
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>19</b>	21	18
Iron	ppm	ASTM D5185m	>20	<b>19</b>	23	15
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	2	3
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>75	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

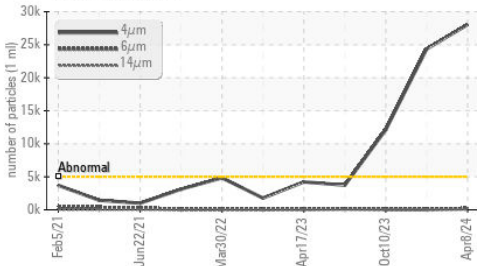
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>58</b>	67	60
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	3	2
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>47</b>	49	50
Calcium	ppm	ASTM D5185m		<b>2303</b>	1984	2040
Phosphorus	ppm	ASTM D5185m		<b>937</b>	827	949
Zinc	ppm	ASTM D5185m		<b>1247</b>	1293	1255
Sulfur	ppm	ASTM D5185m		<b>6230</b>	5082	5350

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>9</b>	11	9
Sodium	ppm	ASTM D5185m		<b>3</b>	0	4
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	6	5

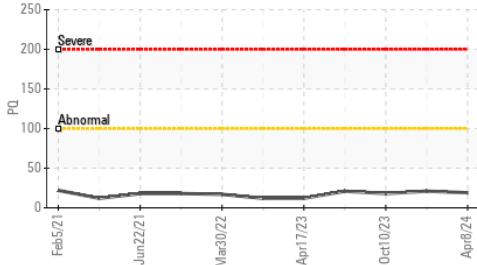
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>▲ 28046</b>	▲ 24365	▲ 12119
Particles >6µm		ASTM D7647	>1300	<b>201</b>	49	81
Particles >14µm		ASTM D7647	>160	<b>23</b>	8	10
Particles >21µm		ASTM D7647	>40	<b>7</b>	2	4
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/15/12</b>	▲ 22/13/10	▲ 21/14/10

# OIL ANALYSIS REPORT

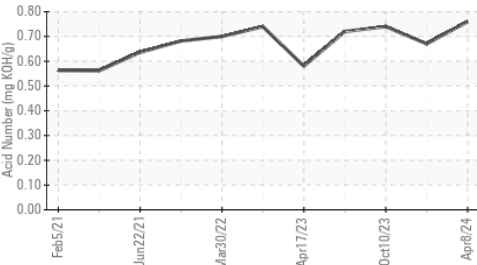
### ▲ Particle Trend



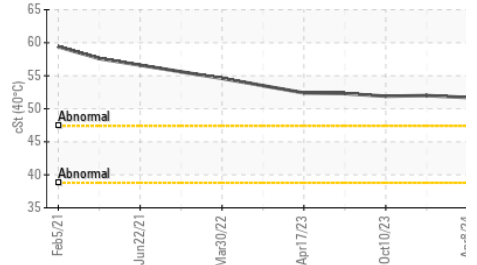
### PQ



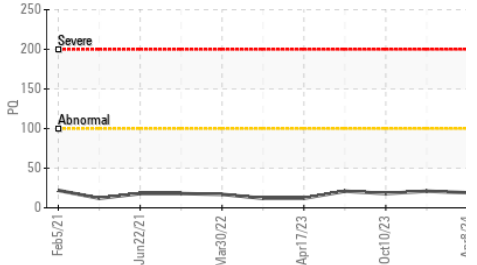
### Acid Number



### Viscosity @ 40°C



### PQ



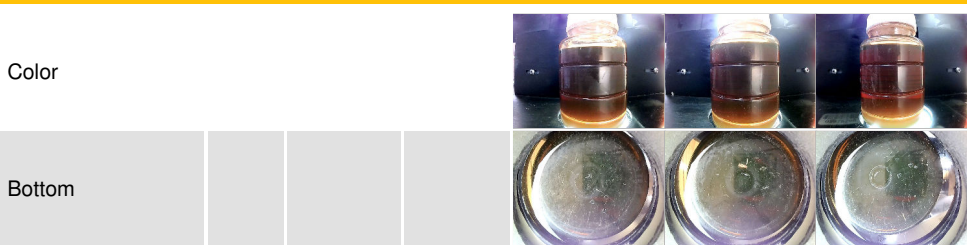
### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.76</b>	0.67	0.74
<b>VISUAL</b>					
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

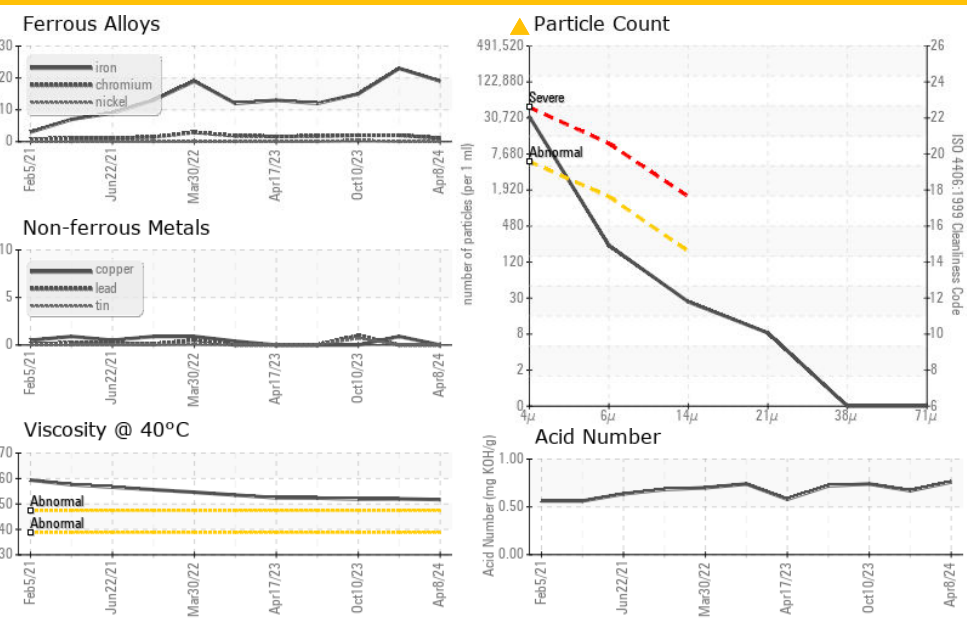
### FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>51.7</b>	52.0	51.9

### SAMPLE IMAGES



### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0189712  
**Lab Number** : 06159001  
**Unique Number** : 10994424  
**Test Package** : CONST ( Additional Tests: PQ )  
**Received** : 24 Apr 2024  
**Tested** : 25 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Don Baldrige

**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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