



WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**ABNORMAL**  
**NORMAL**

Machine Id  
**JOHN DEERE 345G 1FF345GXKMF020827**

Component  
**Right Final Drive**

Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

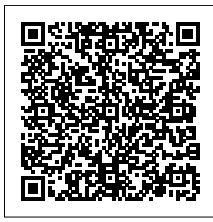
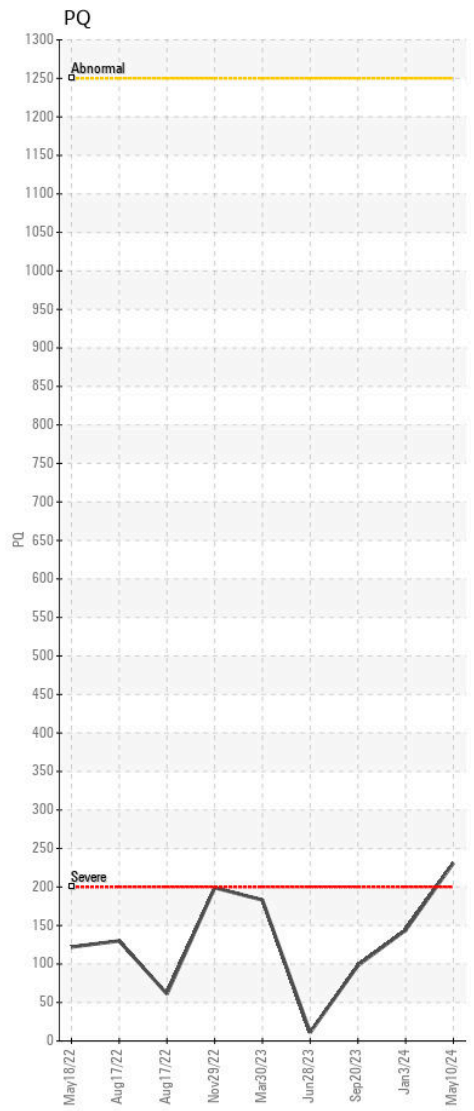
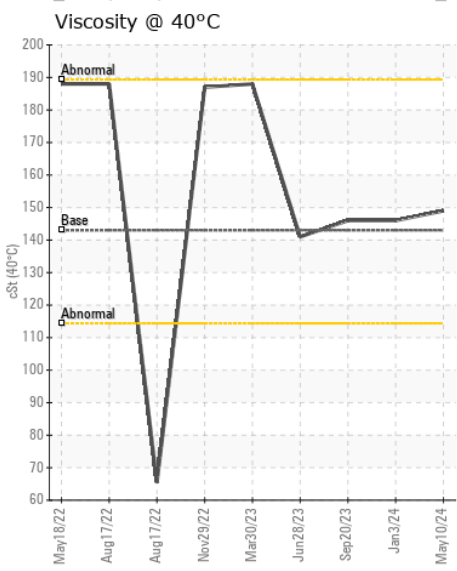
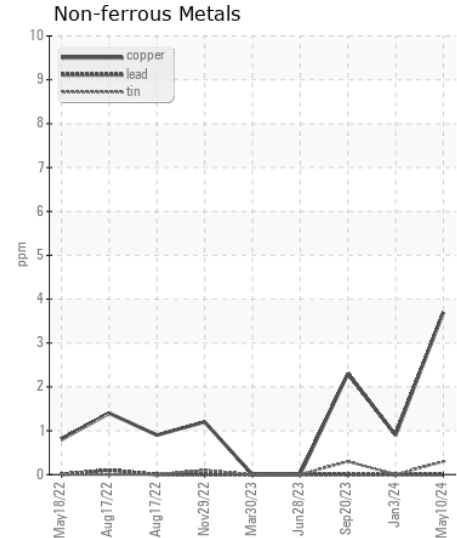
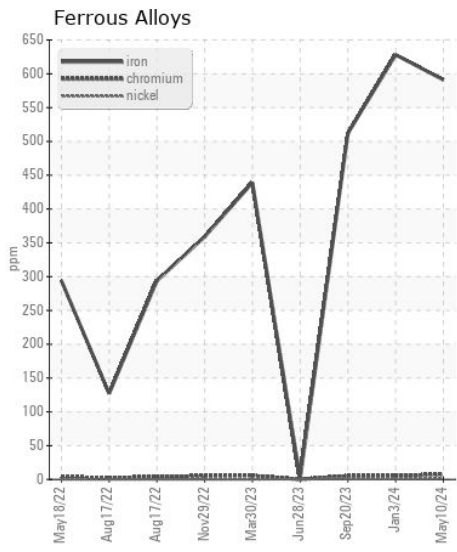
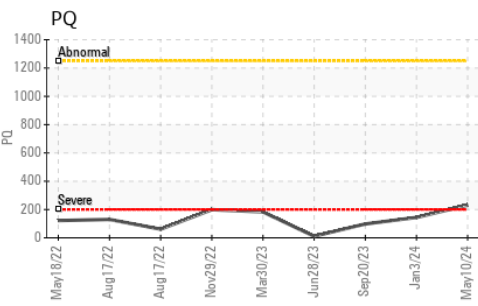
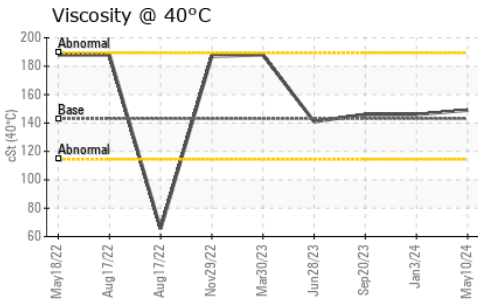
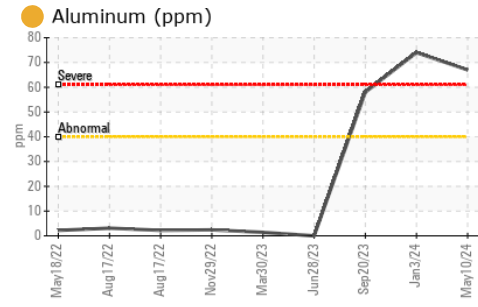
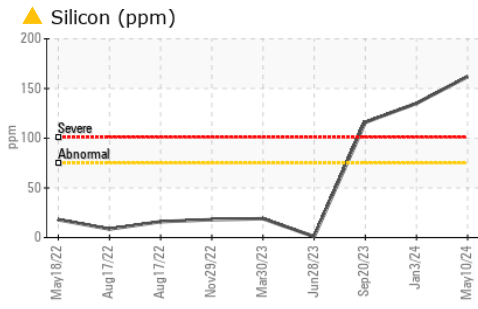
### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214995</b>	JR0189056	JR0188747
Sample Date		Client Info		<b>10 May 2024</b>	03 Jan 2024	20 Sep 2023
Machine Age	hrs	Client Info		<b>4132</b>	3530	2994
Oil Age	hrs	Client Info		<b>2579</b>	2513	2478
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	<b>231</b>	144	98
Iron	ppm	ASTM D5185m	>750	<b>591</b>	628	512
Chromium	ppm	ASTM D5185m	>9	<b>7</b>	6	5
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>6</b>	4	4
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>67</b>	74	58
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>4</b>	<1	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 162</b>	▲ 135	▲ 116
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	7	6
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
Sodium	ppm	ASTM D5185m	>170	<b>7</b>	3	5
Boron	ppm	ASTM D5185m	400	<b>14</b>	15	7
Barium	ppm	ASTM D5185m	200	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>9</b>	6	6
Magnesium	ppm	ASTM D5185m	12	<b>8</b>	4	6
Calcium	ppm	ASTM D5185m	150	<b>22</b>	14	23
Phosphorus	ppm	ASTM D5185m	1650	<b>375</b>	369	339
Zinc	ppm	ASTM D5185m	125	<b>0</b>	6	6
Sulfur	ppm	ASTM D5185m	22500	<b>21435</b>	19670	21091
Visc @ 40°C	cSt	ASTM D445	143	<b>149</b>	146	146



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214995 **Received** : 13 May 2024  
**Lab Number** : 06177472 **Tested** : 14 May 2024  
**Unique Number** : 11023525 **Diagnosed** : 15 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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 F: (704)596-6198

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)