



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

Machine Id  
**JOHN DEERE 325G 338952**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

### RECOMMENDATION

( Customer Sample Comment:  
 Top Up Amount: 2 GAL )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214264</b>	JR0133799	JR0069859
Sample Date		Client Info		<b>17 Apr 2024</b>	18 Aug 2022	17 Dec 2020
Machine Age	hrs	Client Info		<b>693</b>	504	318
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Oil Added</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

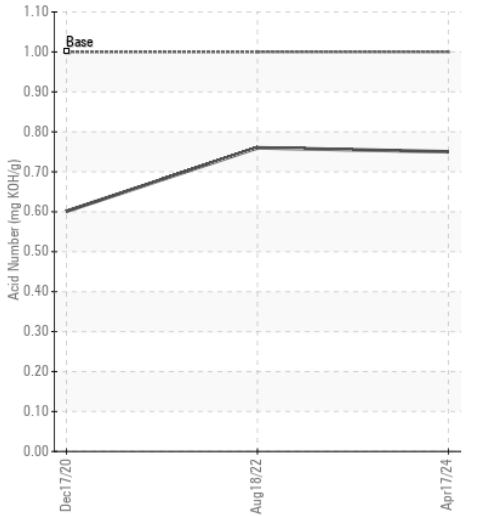
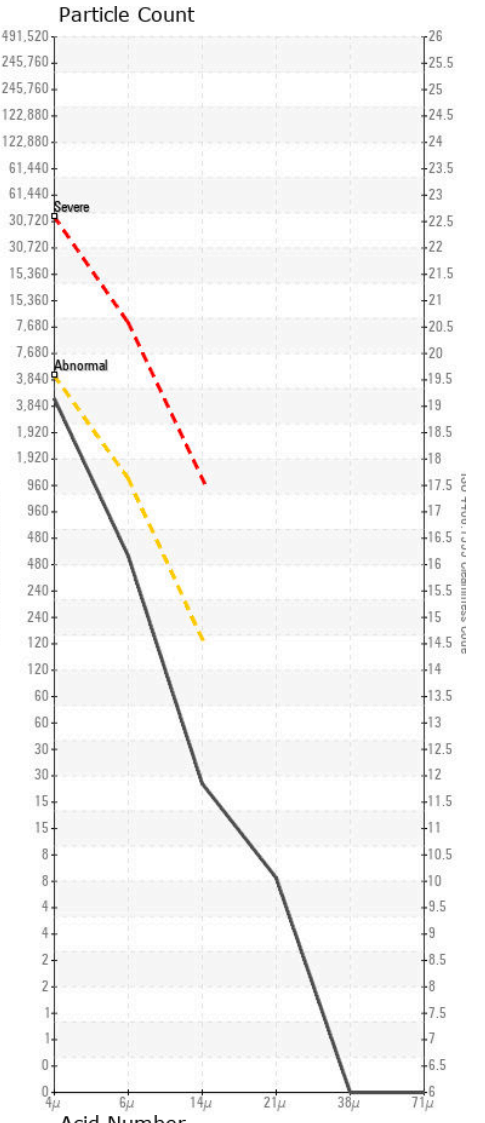
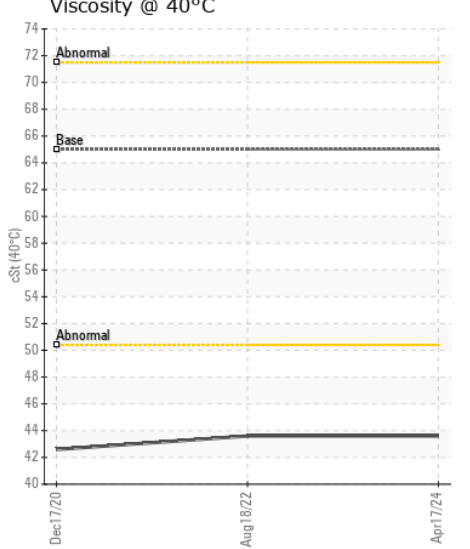
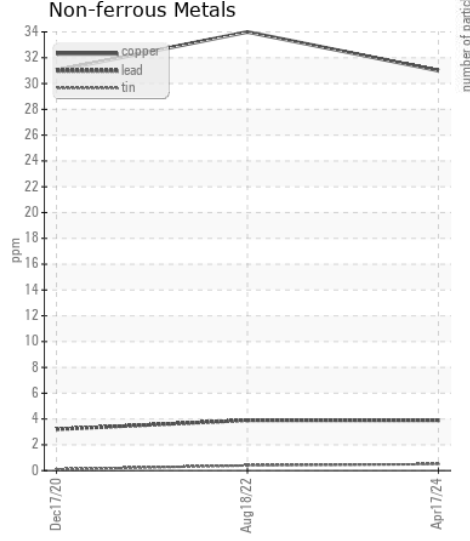
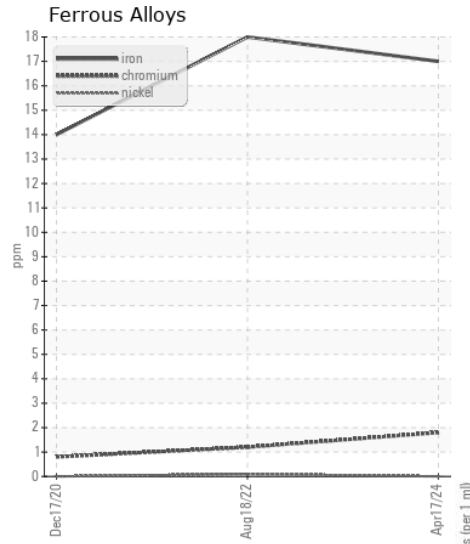
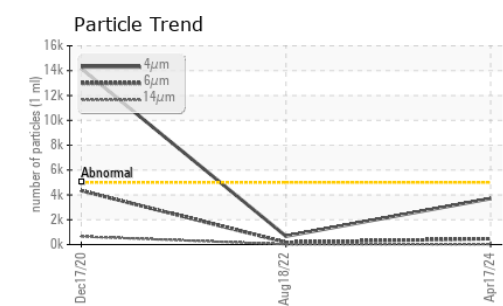
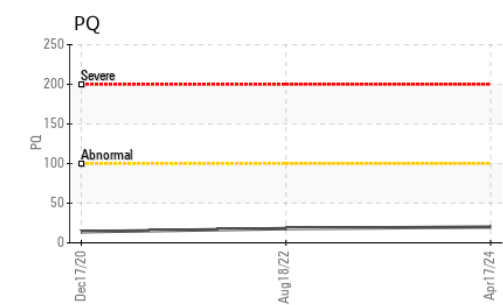
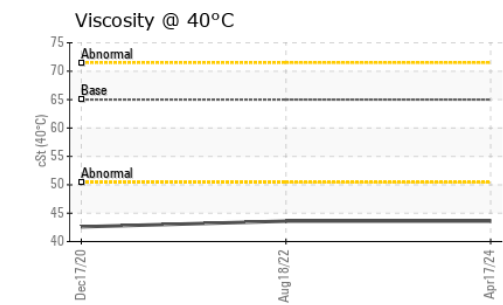
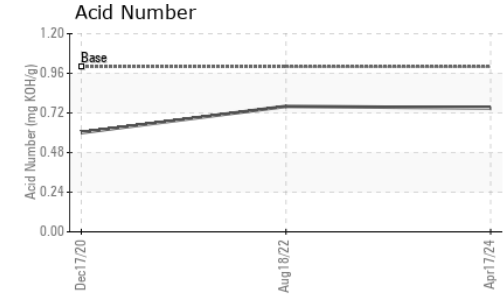
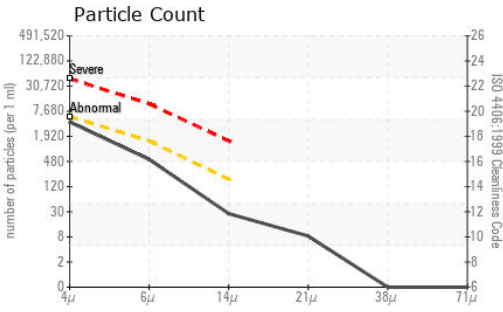
Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>20</b>	18	14
Iron	ppm	ASTM D5185m	>20	<b>17</b>	18	14
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	1
Lead	ppm	ASTM D5185m	>10	<b>4</b>	4	3
Copper	ppm	ASTM D5185m	>75	<b>31</b>	34	31
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</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

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>3706</b>	675	▲ 14171
Particles >6µm		ASTM D7647	>1300	<b>472</b>	178	▲ 4338
Particles >14µm		ASTM D7647	>160	<b>24</b>	20	▲ 650
Particles >21µm		ASTM D7647	>40	<b>7</b>	4	▲ 199
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	▲ 11
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	▲ 2
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/16/12</b>	17/15/11	▲ 21/19/17
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	0
Boron	ppm	ASTM D5185m		<b>0</b>	2	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>6</b>	43	<1
Calcium	ppm	ASTM D5185m	87	<b>283</b>	355	93
Phosphorus	ppm	ASTM D5185m	727	<b>647</b>	628	574
Zinc	ppm	ASTM D5185m	900	<b>823</b>	852	763
Sulfur	ppm	ASTM D5185m	1500	<b>2261</b>	2027	1526
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.75</b>	0.76	0.601
Visc @ 40°C	cSt	ASTM D445	65	<b>43.6</b>	43.6	42.6



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214264 **Received** : 18 Apr 2024  
**Lab Number** : 06152989 **Tested** : 19 Apr 2024  
**Unique Number** : 10983067 **Diagnosed** : 22 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - NEW BERN**  
 3816 MARTIN LUTHER KING BLVD  
 NEW BERN, NC  
 US 28562  
 Contact: NEW BERN SHOP  
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 T:  
 F:

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)