



OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE DZR-32**  
Component  
**Transmission (Manual)**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CL0005352</b>	CL0004927	CL0004608
Sample Date		Client Info		<b>19 Apr 2024</b>	17 Nov 2023	17 Aug 2023
Machine Age	hrs	Client Info		<b>2215</b>	1695	1145
Oil Age	hrs	Client Info		<b>2215</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>23</b>	18	14
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m	>45	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m	>225	<b>9</b>	8	7
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

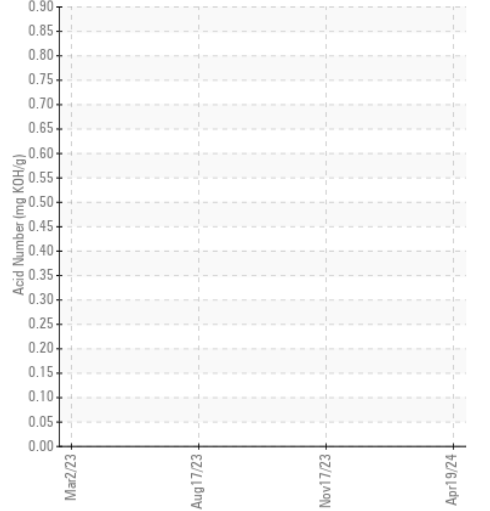
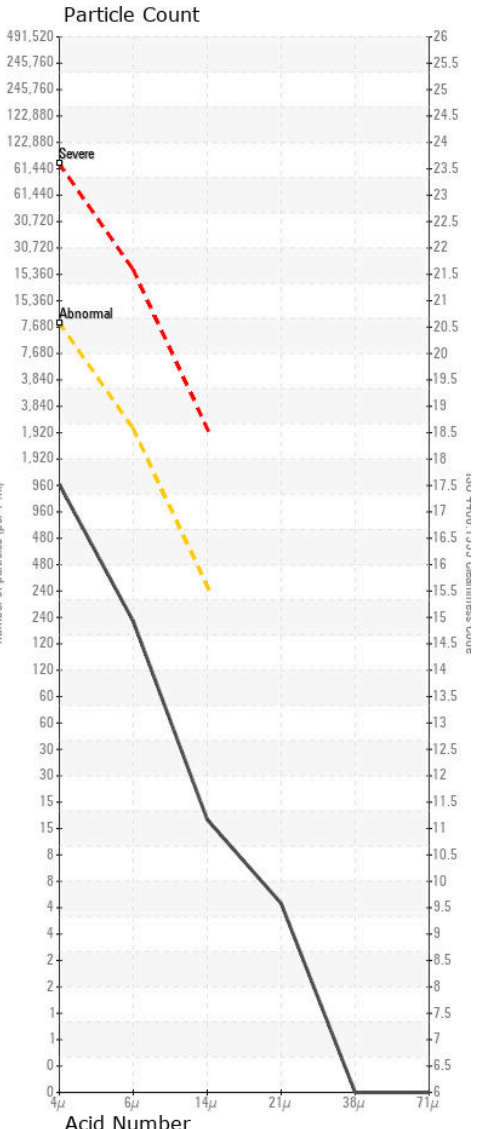
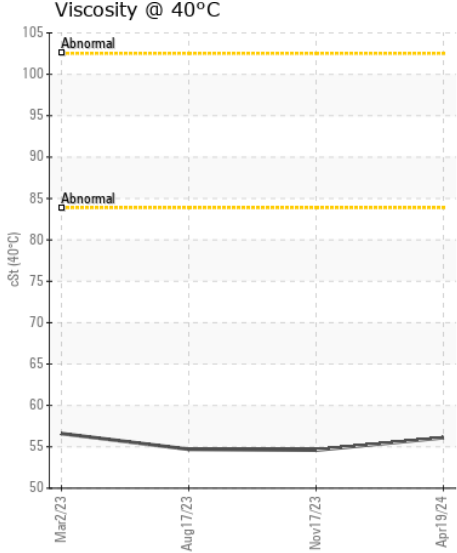
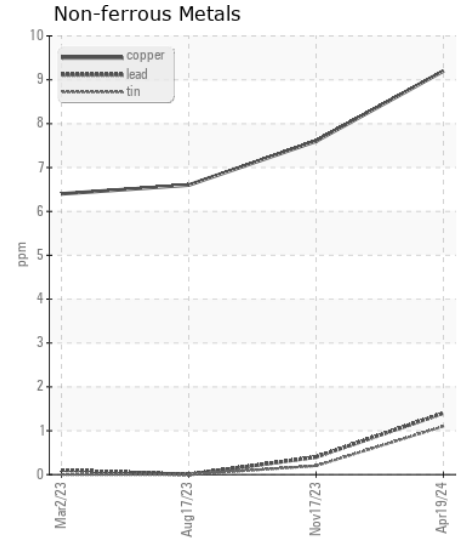
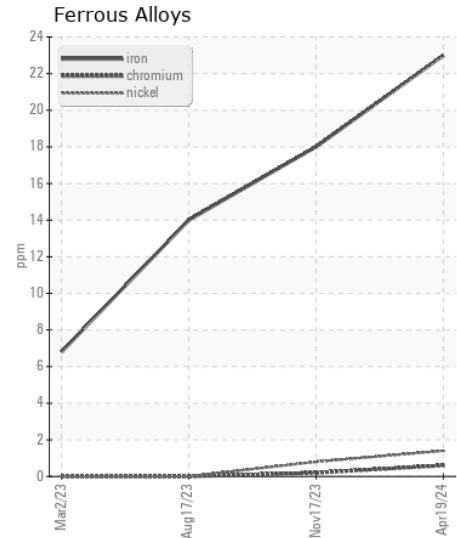
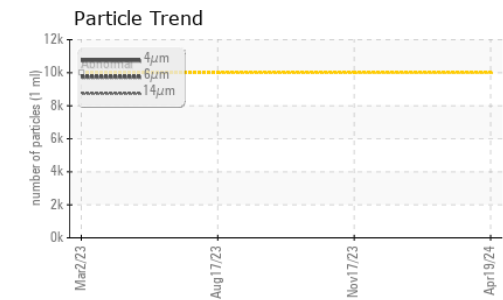
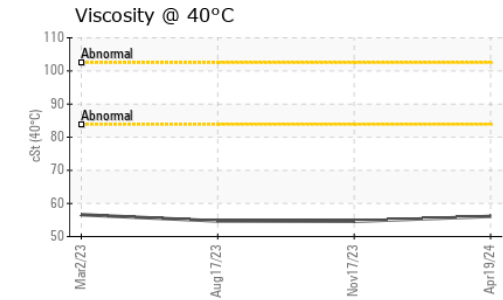
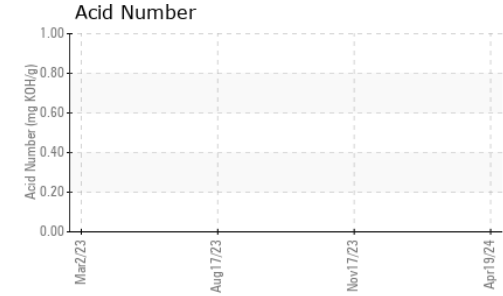
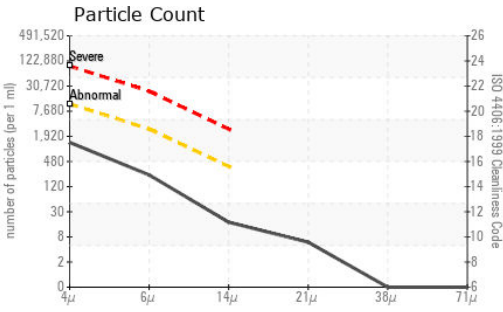
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>125	<b>3</b>	2	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>1207</b>	---	---
Particles >6µm		ASTM D7647	>2500	<b>201</b>	---	---
Particles >14µm		ASTM D7647	>320	<b>15</b>	---	---
Particles >21µm		ASTM D7647	>80	<b>5</b>	---	---
Particles >38µm		ASTM D7647	>20	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>17/15/11</b>	---	---
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 fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>4</b>	4	2
Calcium	ppm	ASTM D5185m		<b>146</b>	89	139
Phosphorus	ppm	ASTM D5185m		<b>632</b>	618	680
Zinc	ppm	ASTM D5185m		<b>837</b>	794	899
Sulfur	ppm	ASTM D5185m		<b>2250</b>	1879	2142
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.86</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>56.1</b>	54.6	54.7



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : CL0005352 **Received** : 24 Apr 2024  
**Lab Number** : 06159943 **Tested** : 25 Apr 2024  
**Unique Number** : 10995366 **Diagnosed** : 25 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PrtCount )

**PEDULLA**  
 146 MCLELLAND  
 MOORESVILLE, NC  
 US 28115  
 Contact: LARRY

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)