



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

Machine Id  
**JOHN DEERE 7810 740598 (S/N EW7810DH052505)**

Component  
**Transmission (Manual)**

Fluid  
**CASTROL UNIVERSAL TRACTOR FLUID (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0100994</b>	PCA0054502	JRMC416790
Sample Date		Client Info		<b>12 Mar 2024</b>	12 Nov 2021	25 Jul 2017
Machine Age	hrs	Client Info		<b>13742</b>	12298	10784
Oil Age	hrs	Client Info		<b>895</b>	2000	466
Filter Age	hrs	Client Info		<b>495</b>	2000	460
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>19</b>	18	15
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	<1
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	1	<1
Copper	ppm	ASTM D5185m	>225	<b>13</b>	10	26
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	4
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**

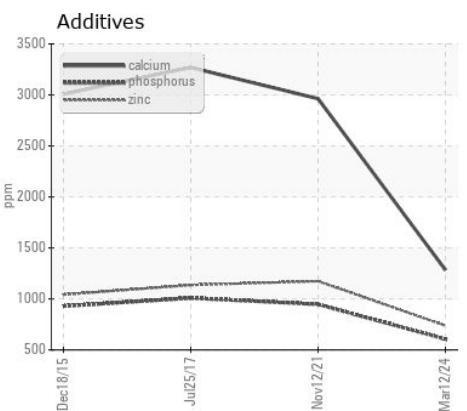
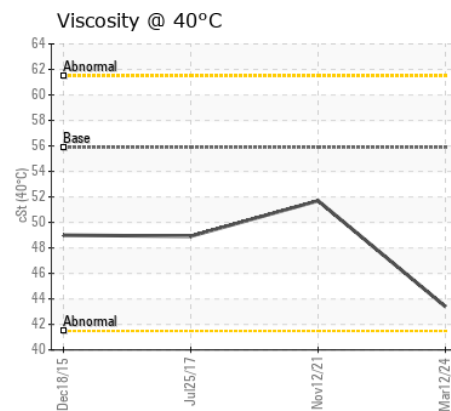
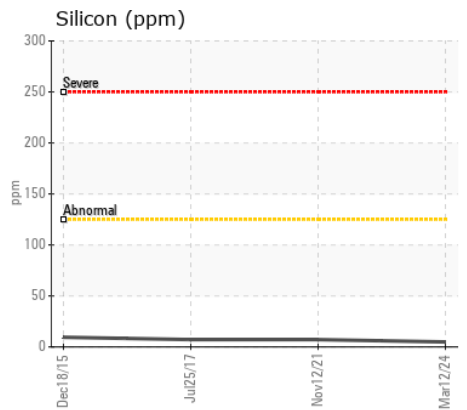
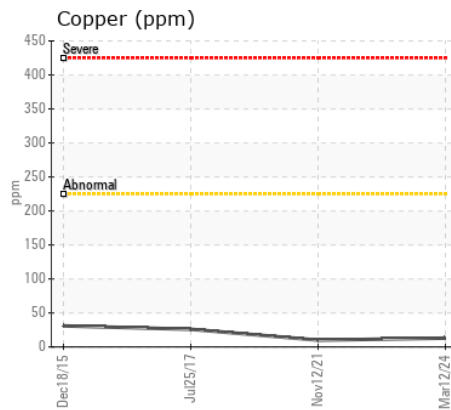
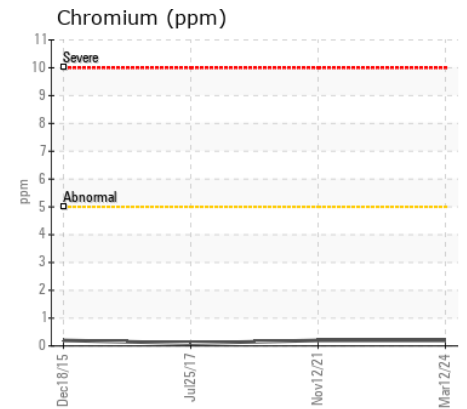
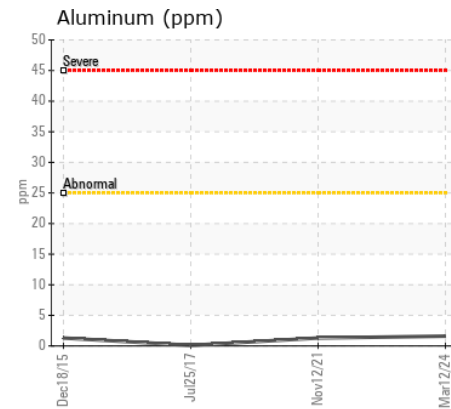
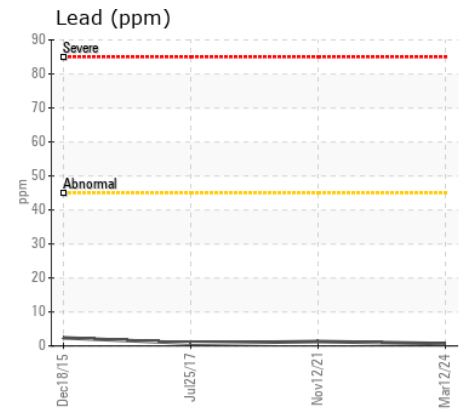
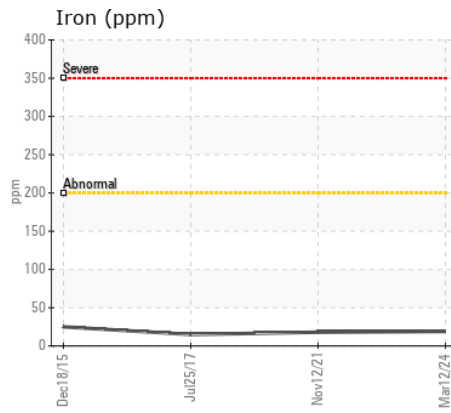
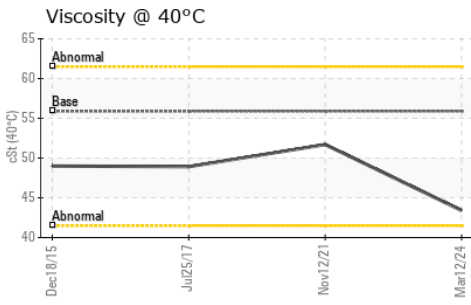
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>5</b>	7	7
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	2	3
Boron	ppm	ASTM D5185m		<b>8</b>	22	8
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>24</b>	61	90
Calcium	ppm	ASTM D5185m		<b>1284</b>	2963	3269
Phosphorus	ppm	ASTM D5185m		<b>606</b>	947	1009
Zinc	ppm	ASTM D5185m		<b>738</b>	1174	1136
Sulfur	ppm	ASTM D5185m		<b>2487</b>	4006	3840
Visc @ 40°C	cSt	ASTM D445	55.89	<b>43.4</b>	51.7	48.92



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0100994

**Lab Number** : 06122773

**Unique Number** : 10936924

**Test Package** : MOB 1

**Received** : 19 Mar 2024

**Tested** : 20 Mar 2024

**Diagnosed** : 21 Mar 2024 - Don Baldrige

**SYNAGRO**

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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)