



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta**  
Machine Id  
**JOHN DEERE 850K D3 (S/N 1T0850KXCHF318508)**  
Component  
**Transmission**  
Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0047689</b>	LEC0020851	LEC0015614
Sample Date		Client Info		<b>31 Dec 2023</b>	26 Apr 2021	09 Sep 2020
Machine Age	hrs	Client Info		<b>6242</b>	3627	3120
Oil Age	hrs	Client Info		<b>6242</b>	3627	3120
Filter Age	hrs	Client Info		<b>1000</b>	1000	500
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	<b>24</b>	25	30
Iron	ppm	ASTM D5185m	>61	<b>36</b>	34	35
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m		<b>1</b>	1	2
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>9	<b>2</b>	2	<1
Copper	ppm	ASTM D5185m	>100	<b>17</b>	16	15
Tin	ppm	ASTM D5185m	>3	<b>0</b>	0	0
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

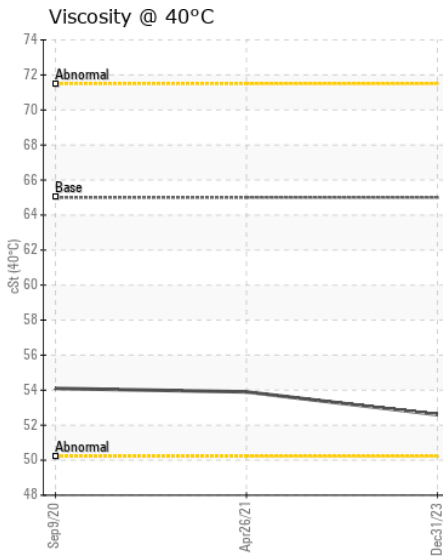
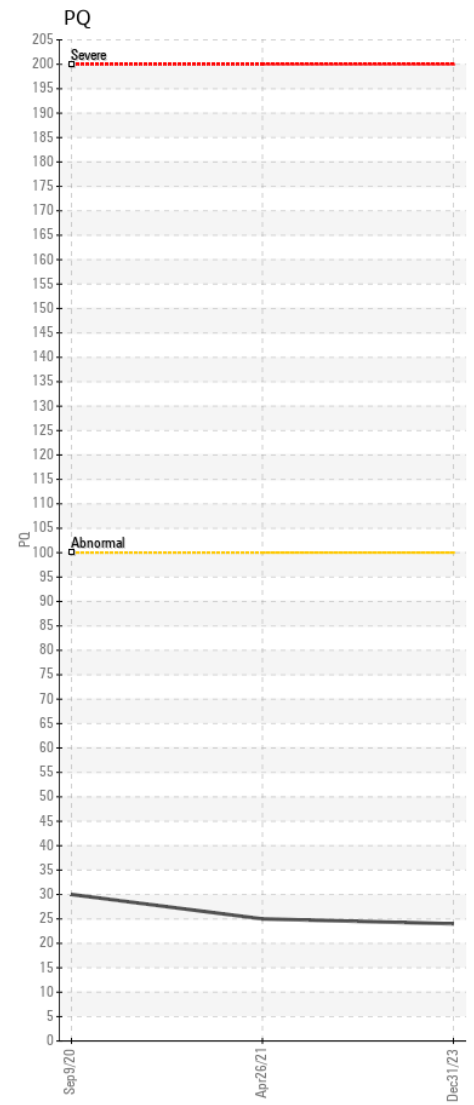
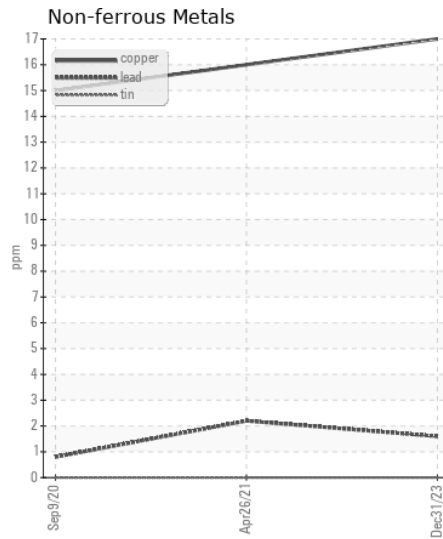
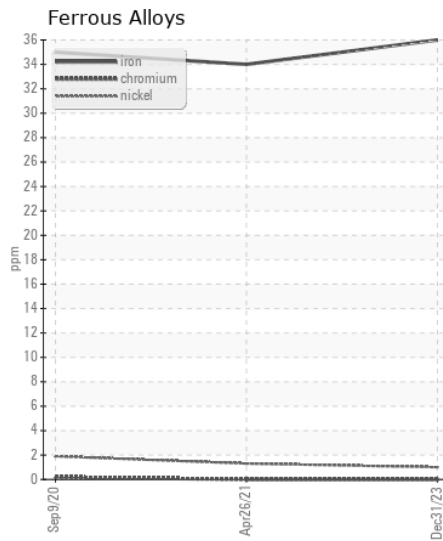
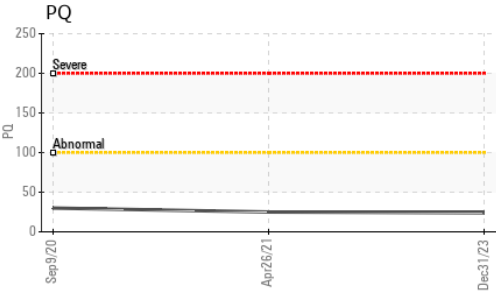
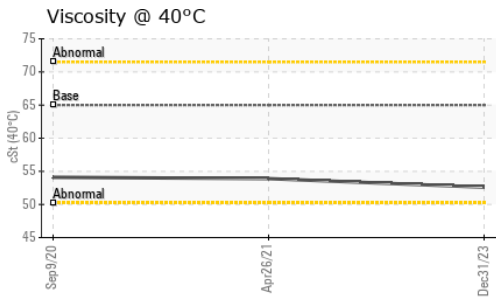
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	<b>1</b>	0	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	2
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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	<b>1</b>	<1	2
Boron	ppm	ASTM D5185m		<b>0</b>	2	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	0
Calcium	ppm	ASTM D5185m	87	<b>131</b>	75	83
Phosphorus	ppm	ASTM D5185m	727	<b>551</b>	531	600
Zinc	ppm	ASTM D5185m	900	<b>709</b>	694	728
Sulfur	ppm	ASTM D5185m	1500	<b>1572</b>	1270	1383
Visc @ 40°C	cSt	ASTM D445	65	<b>52.6</b>	53.9	54.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047689 **Received** : 17 Jan 2024  
**Lab Number** : 06063816 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10835198 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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