



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 850K 1T0850KXCDE246953**  
Component  
**Right Inner Final Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (4 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046079</b>	LEC0014002	LECP153557
Sample Date		Client Info		<b>05 Jan 2024</b>	06 Aug 2020	17 Sep 2014
Machine Age	hrs	Client Info		<b>7289</b>	5933	532
Oil Age	hrs	Client Info		<b>6789</b>	1000	532
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>126</b>	356	35.0
Iron	ppm	ASTM D5185m	>750	<b>158</b>	687	112
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	6	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	3	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	9	2
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185m	>40	<b>2</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

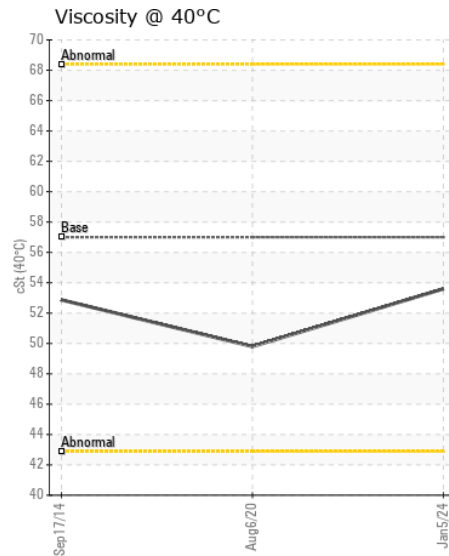
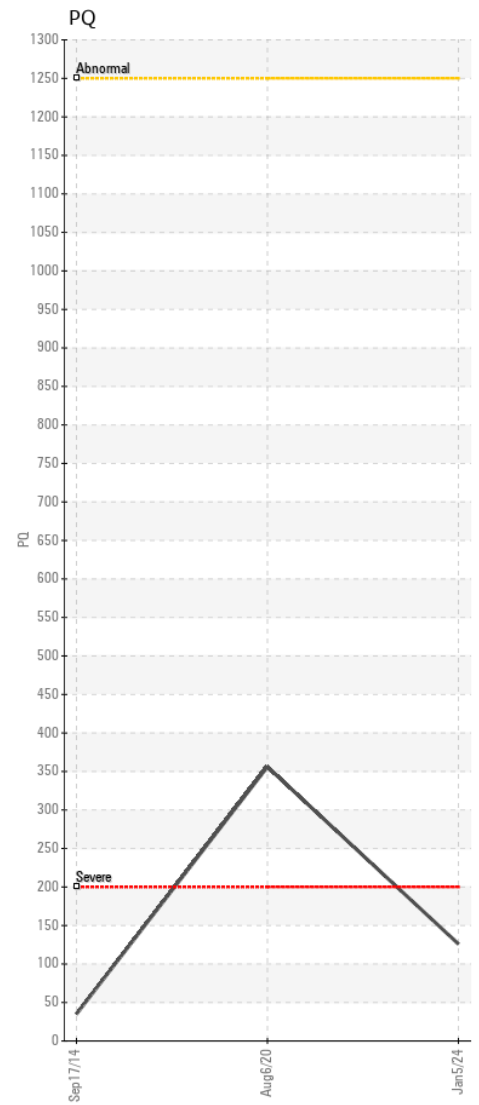
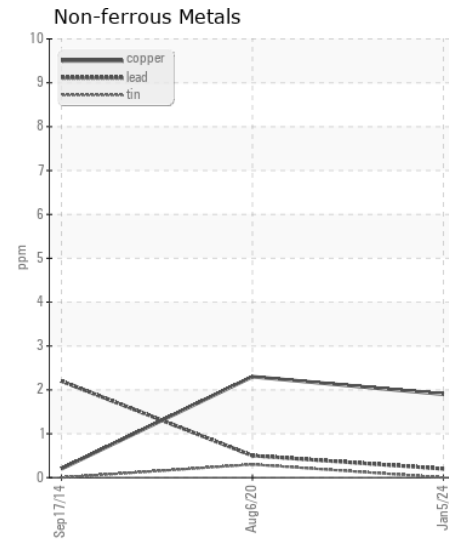
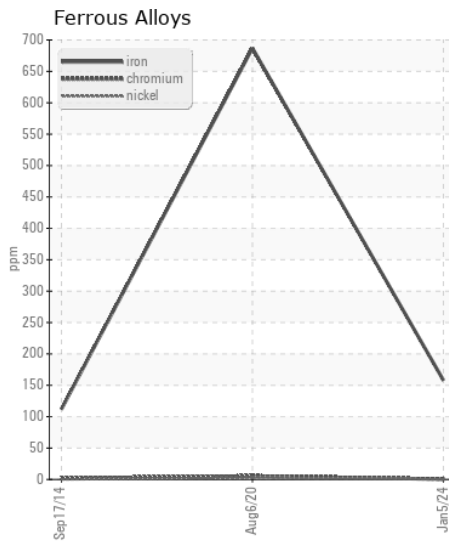
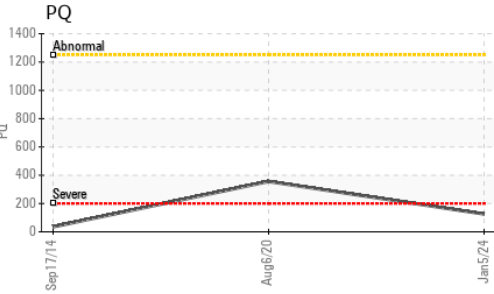
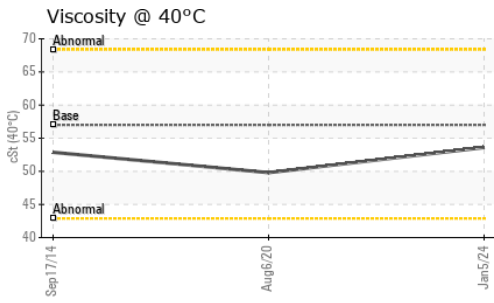
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>22</b>	39	5
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	5	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	3	1
Boron	ppm	ASTM D5185m	6	<b>13</b>	4	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>8</b>	0	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	6	<1
Magnesium	ppm	ASTM D5185m	145	<b>119</b>	92	112
Calcium	ppm	ASTM D5185m	3570	<b>3071</b>	3524	3798
Phosphorus	ppm	ASTM D5185m	1290	<b>932</b>	1034	1096
Zinc	ppm	ASTM D5185m	1640	<b>1133</b>	1124	1414
Sulfur	ppm	ASTM D5185m		<b>3070</b>	4257	0
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.6</b>	49.8	52.87



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046079 **Received** : 10 Jan 2024  
**Lab Number** : 06056898 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10822847 **Diagnostician** : Sean Felton  
**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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