



# OIL ANALYSIS REPORT

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



Area  
**Store 1 - Cowen [RO#147626]**  
Machine Id  
**JOHN DEERE 850K 1T0850KXCEE259008**  
Component  
**Right Inner Final Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046869</b>	LEC0041456	LECP185294
Sample Date		Client Info		<b>09 Feb 2024</b>	13 Jun 2023	27 Jan 2019
Machine Age	hrs	Client Info		<b>7356</b>	6318	4318
Oil Age	hrs	Client Info		<b>1038</b>	2372	372
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>74</b>	208	43
Iron	ppm	ASTM D5185m	>750	<b>125</b>	398	37
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	4	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>6</b>	18	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

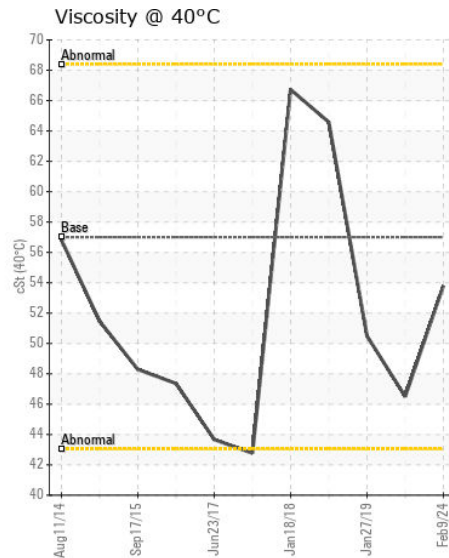
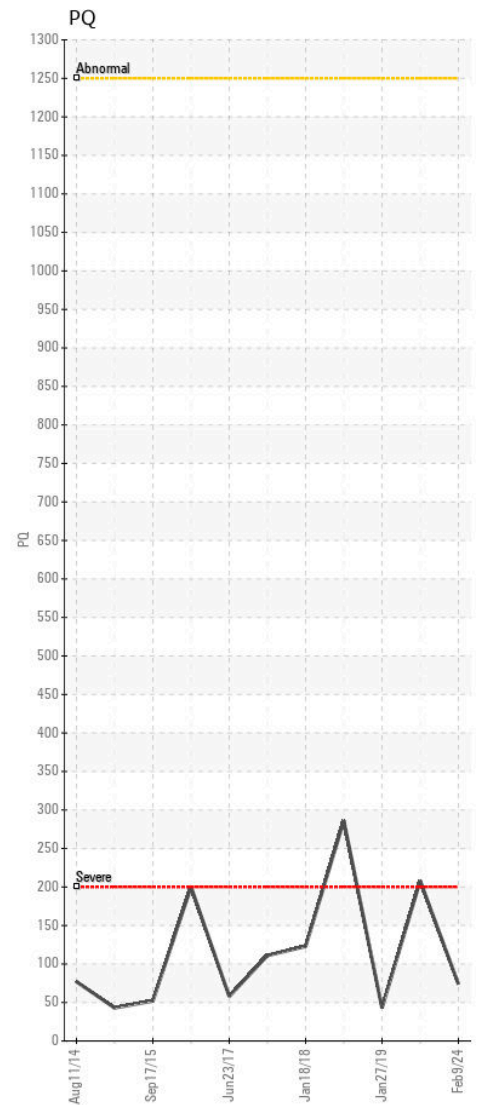
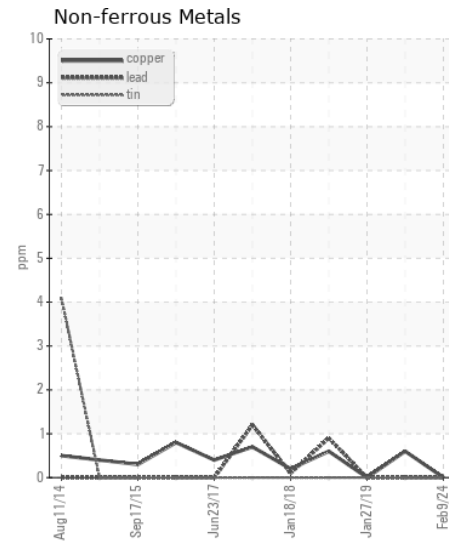
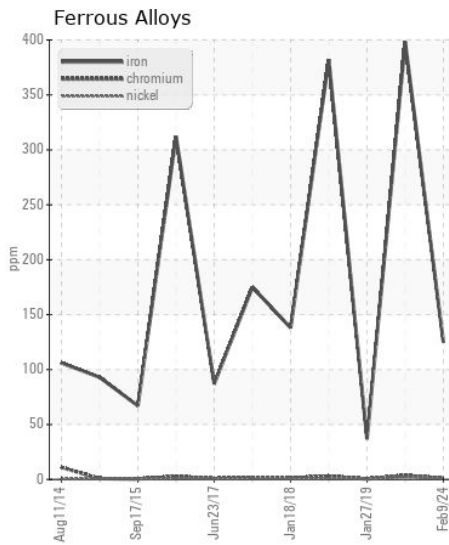
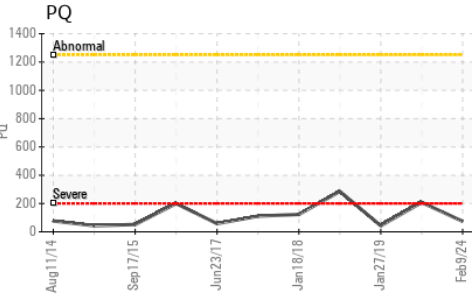
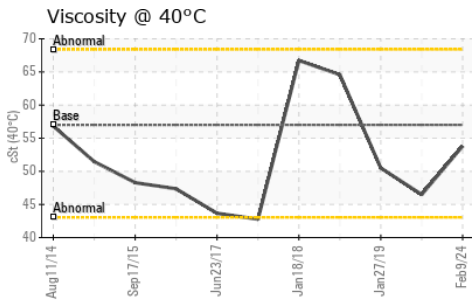
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>38</b>	72	17
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	6	0
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>0</b>	2	2
Boron	ppm	ASTM D5185m	6	<b>9</b>	5	3
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>8</b>	4	2
Manganese	ppm	ASTM D5185m		<b>1</b>	4	<1
Magnesium	ppm	ASTM D5185m	145	<b>115</b>	116	107
Calcium	ppm	ASTM D5185m	3570	<b>3288</b>	3680	3529
Phosphorus	ppm	ASTM D5185m	1290	<b>946</b>	1101	1021
Zinc	ppm	ASTM D5185m	1640	<b>1236</b>	1350	1242
Sulfur	ppm	ASTM D5185m		<b>3331</b>	4461	3126
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.8</b>	46.5	50.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046869 **Received** : 14 Feb 2024  
**Lab Number** : 06089045 **Tested** : 15 Feb 2024  
**Unique Number** : 10876490 **Diagnosed** : 15 Feb 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
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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)

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