



# OIL ANALYSIS REPORT

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



Area  
**Store 5 - Cross Lanes [RO#147149]**  
Machine Id  
**JOHN DEERE 1050K 1T01050PCJF323379**  
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>LEC0048649</b>	LEC0035508	LECP187466
Sample Date		Client Info		<b>22 Feb 2024</b>	08 Jun 2023	29 Nov 2018
Machine Age	hrs	Client Info		<b>1208</b>	643	604
Oil Age	hrs	Client Info		<b>1208</b>	643	604
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
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>70</b>	39	56
Iron	ppm	ASTM D5185m	>750	<b>42</b>	27	33
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>15	<b>3</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>4</b>	4	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</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

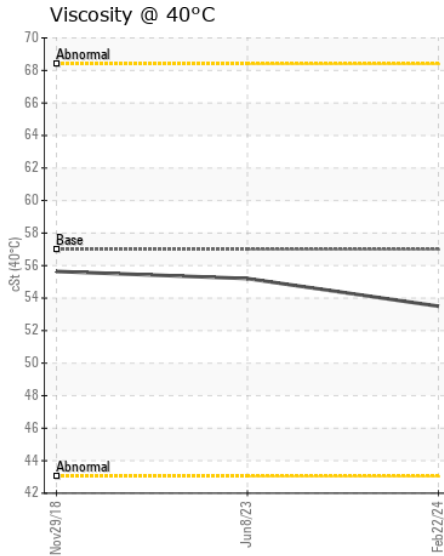
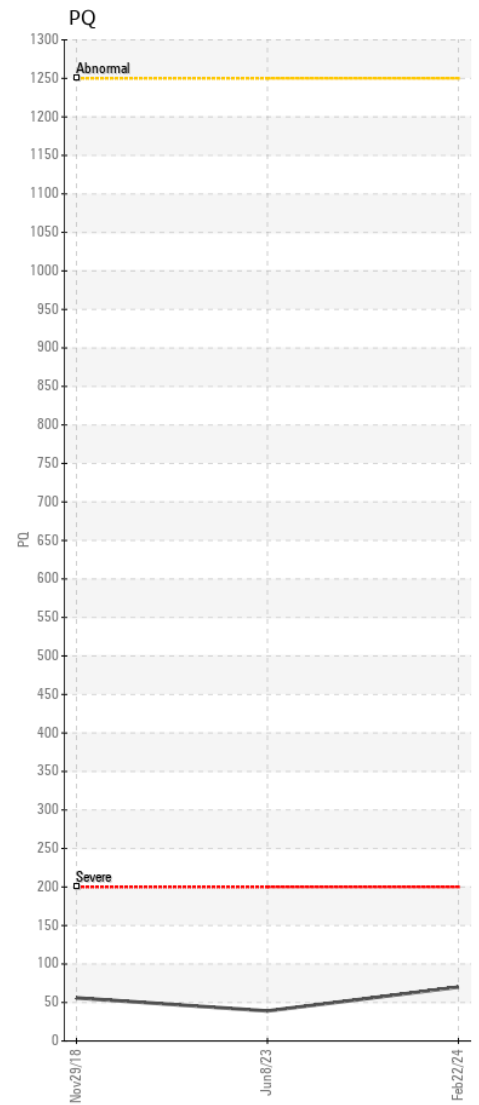
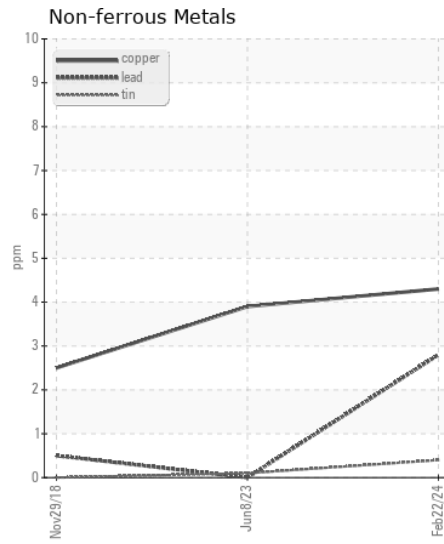
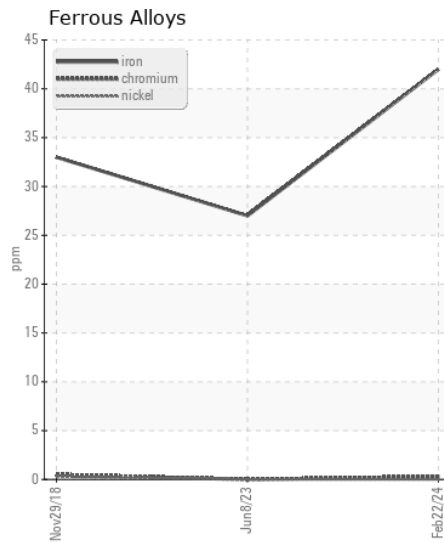
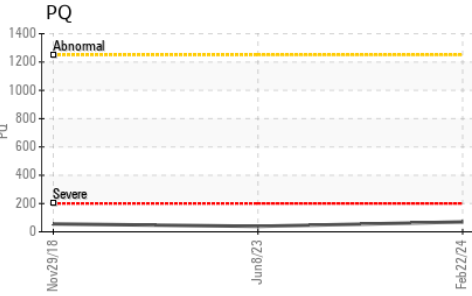
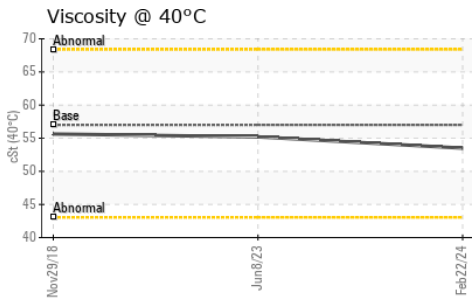
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>8</b>	6	7
Potassium	ppm	ASTM D5185m	>20	<b>16</b>	14	15
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>6</b>	6	5
Boron	ppm	ASTM D5185m	6	<b>2</b>	2	3
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	1
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>101</b>	99	98
Calcium	ppm	ASTM D5185m	3570	<b>3518</b>	3584	3529
Phosphorus	ppm	ASTM D5185m	1290	<b>1027</b>	1027	953
Zinc	ppm	ASTM D5185m	1640	<b>1290</b>	1285	1224
Sulfur	ppm	ASTM D5185m		<b>3588</b>	4271	2869
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.5</b>	55.2	55.64



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048649 **Received** : 26 Feb 2024  
**Lab Number** : 06100383 **Tested** : 27 Feb 2024  
**Unique Number** : 10898613 **Diagnosed** : 27 Feb 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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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)