



# OIL ANALYSIS REPORT

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

Area  
**Store 1 - Cowen [146496]**

Machine Id  
**Prinoth T14 935310176**

Component  
**Hydraulic System**

Fluid  
**JOHN DEERE HYDRAU (37 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0041569</b>	LEC0045517	LEC0029923
Sample Date		Client Info		<b>11 Jan 2024</b>	23 Oct 2023	12 May 2022
Machine Age	hrs	Client Info		<b>1969</b>	1867	891
Oil Age	hrs	Client Info		<b>1969</b>	1867	891
Filter Age	hrs	Client Info		<b>102</b>	518	442
Oil Changed		Client Info		<b>Filtered</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>16</b>	21	14
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>10	<b>1</b>	<1	2
Copper	ppm	ASTM D5185m	>75	<b>6</b>	7	4
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

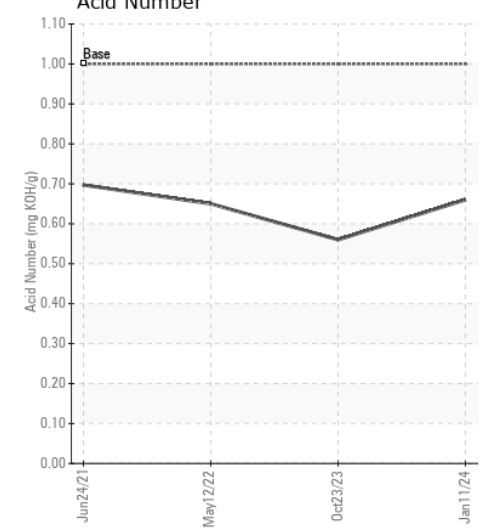
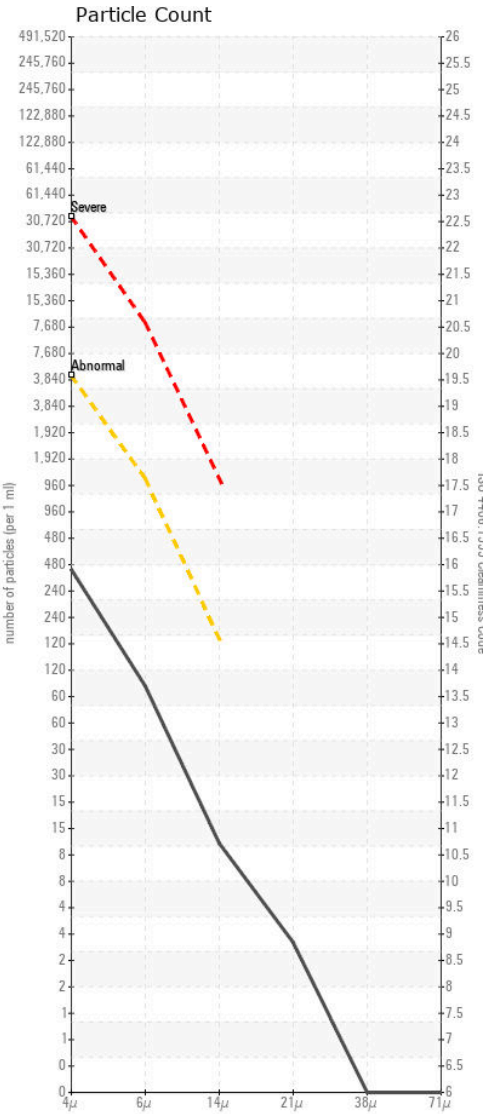
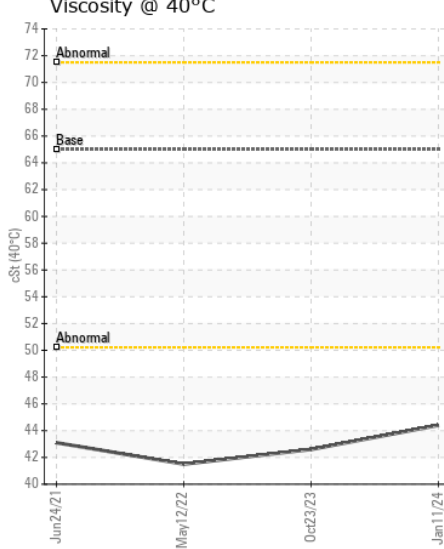
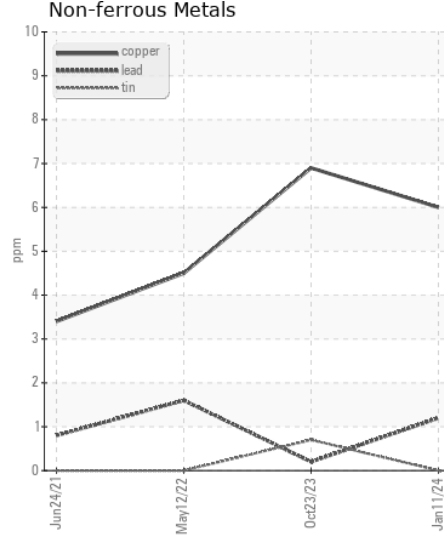
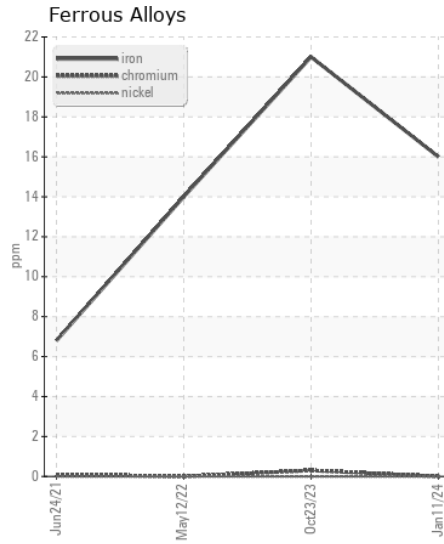
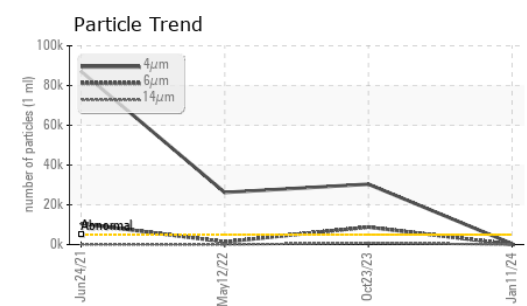
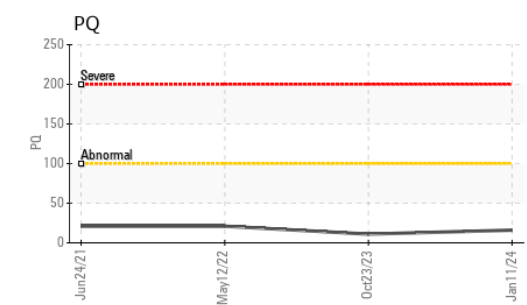
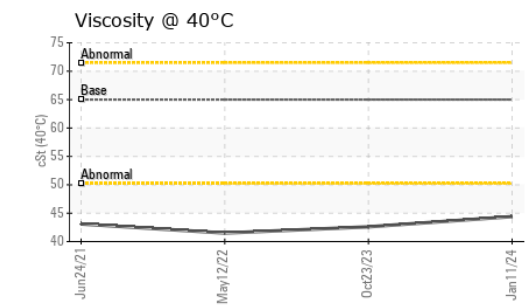
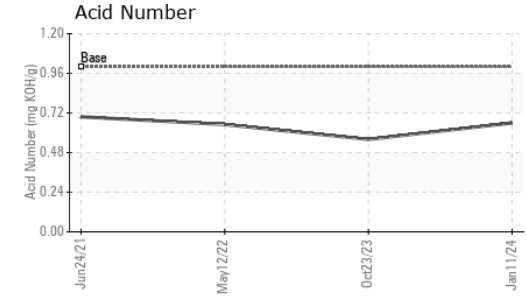
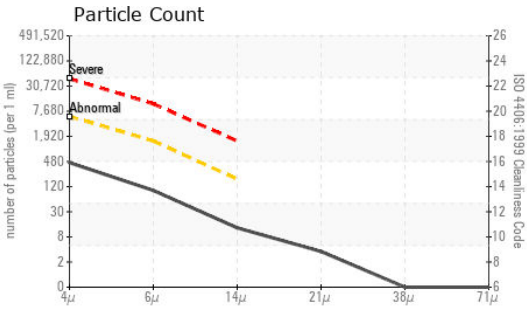
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>396</b>	▲ 30384	▲ 26213
Particles >6µm		ASTM D7647	>1300	<b>86</b>	▲ 8796	▲ 1372
Particles >14µm		ASTM D7647	>160	<b>11</b>	▲ 669	36
Particles >21µm		ASTM D7647	>40	<b>3</b>	▲ 158	10
Particles >38µm		ASTM D7647	>10	<b>0</b>	4	2
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>16/14/11</b>	▲ 22/20/17	▲ 22/18/12
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	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>1</b>	2	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	1
Barium	ppm	ASTM D5185m		<b>0</b>	19	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>27</b>	43	46
Calcium	ppm	ASTM D5185m	87	<b>46</b>	48	46
Phosphorus	ppm	ASTM D5185m	727	<b>516</b>	499	439
Zinc	ppm	ASTM D5185m	900	<b>600</b>	548	518
Sulfur	ppm	ASTM D5185m	1500	<b>1489</b>	1936	1130
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.66</b>	0.56	0.65
Visc @ 40°C	cSt	ASTM D445	65	<b>44.4</b>	42.6	41.5



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0041569 **Received** : 16 Jan 2024  
**Lab Number** : 06060963 **Diagnosed** : 17 Jan 2024  
**Unique Number** : 10832345 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 MARIETTA, OH  
 US 45750-9765  
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 KendalLeanne@lec1.com  
 T:  
 F: (740)373-5570

Certificate L2367  
 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)