



OIL ANALYSIS REPORT

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

Area  
**Store 2 - Beaver [RO#151288]**  
 Machine Id  
**JOHN DEERE 904P 1DW904PATPLX07495**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (48 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample  
 Comment: Prev sample bad/Before caddy/ )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0049951</b>	LEC0051768	LEC0050022
Sample Date		Client Info		<b>23 May 2024</b>	23 May 2024	10 May 2024
Machine Age	hrs	Client Info		<b>1246</b>	1247	1122
Oil Age	hrs	Client Info		<b>1246</b>	1247	1122
Filter Age	hrs	Client Info		<b>1246</b>	1	1122
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>15</b>	20	11
Iron	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
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>	0	0
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>4</b>	1	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

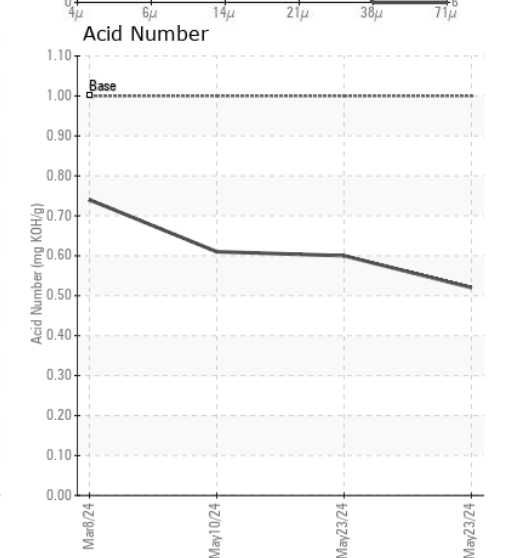
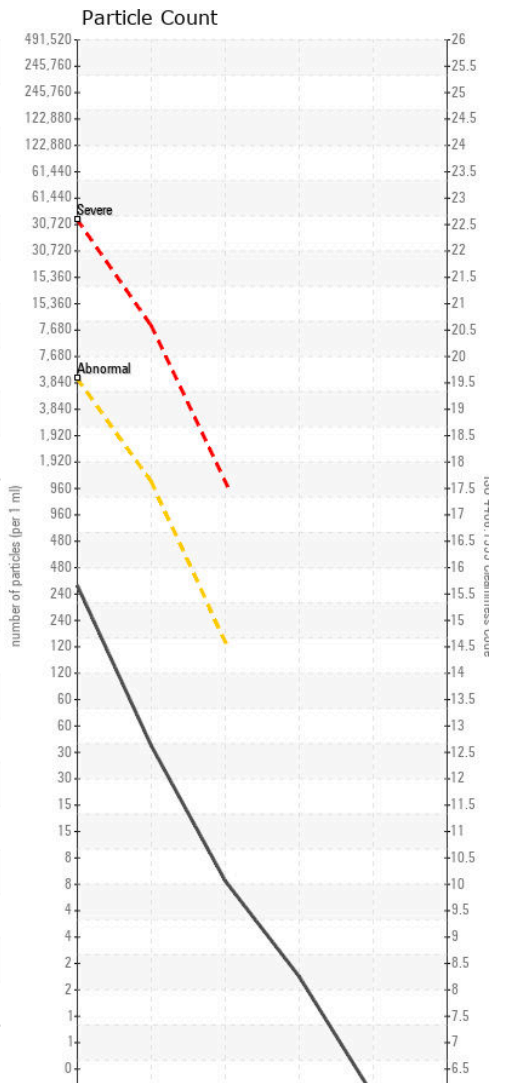
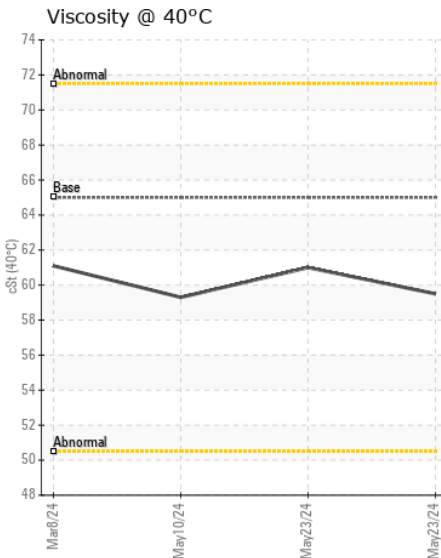
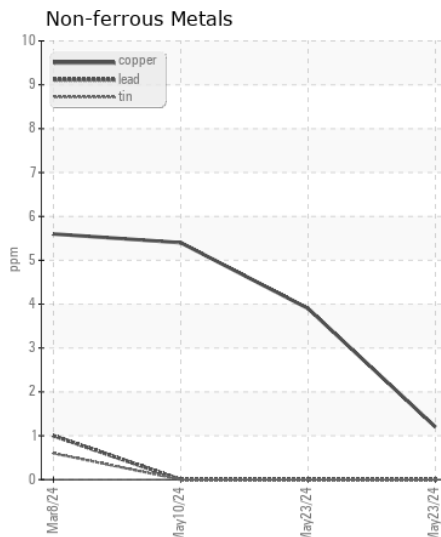
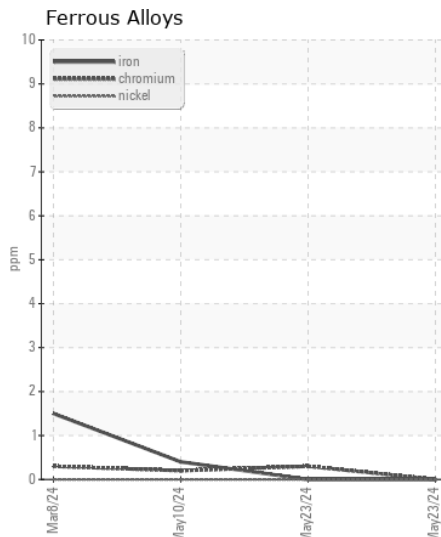
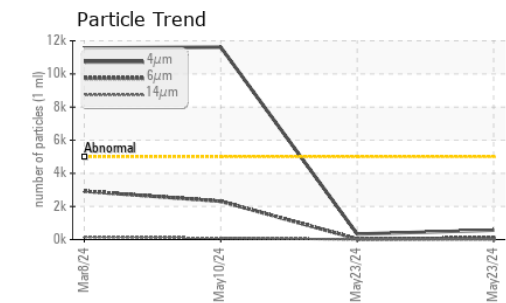
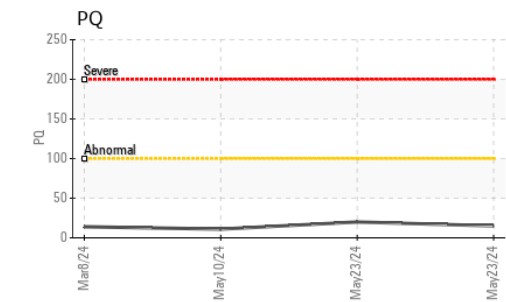
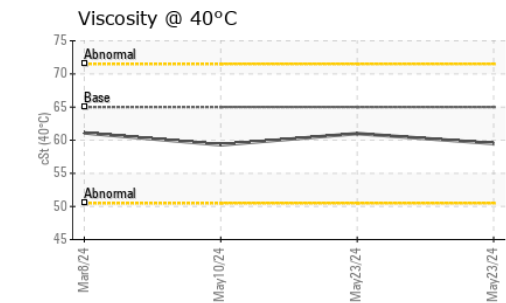
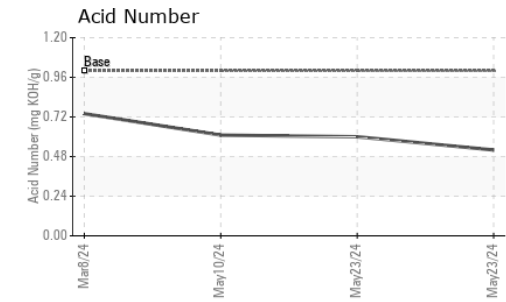
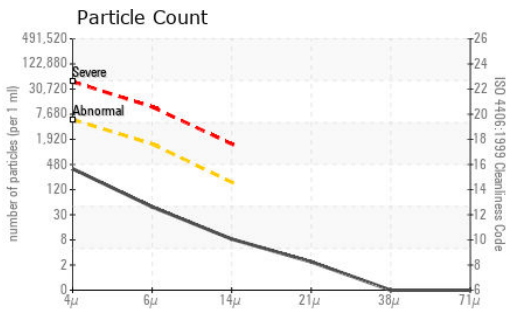
The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	2	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>334</b>	566	▲ 11617
Particles >6µm		ASTM D7647	>1300	<b>41</b>	89	● 2313
Particles >14µm		ASTM D7647	>160	<b>7</b>	7	92
Particles >21µm		ASTM D7647	>40	<b>2</b>	2	20
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>16/13/10</b>	16/14/10	▲ 21/18/14
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Calcium	ppm	ASTM D5185m	87	<b>88</b>	80	144
Phosphorus	ppm	ASTM D5185m	727	<b>680</b>	643	657
Zinc	ppm	ASTM D5185m	900	<b>855</b>	812	824
Sulfur	ppm	ASTM D5185m	1500	<b>1858</b>	1713	1943
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.52</b>	0.60	0.61
Visc @ 40°C	cSt	ASTM D445	65	<b>59.5</b>	61.0	59.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : LEC0049951 Received : 28 May 2024  
 Lab Number : 06192100 Tested : 29 May 2024  
 Unique Number : 11048852 Diagnosed : 30 May 2024 - Angela Borella  
 Test Package : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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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