



**CONTAMINATION FLUID CONDITION** 

**WEAR** 

**SEVERE SEVERE NORMAL** 

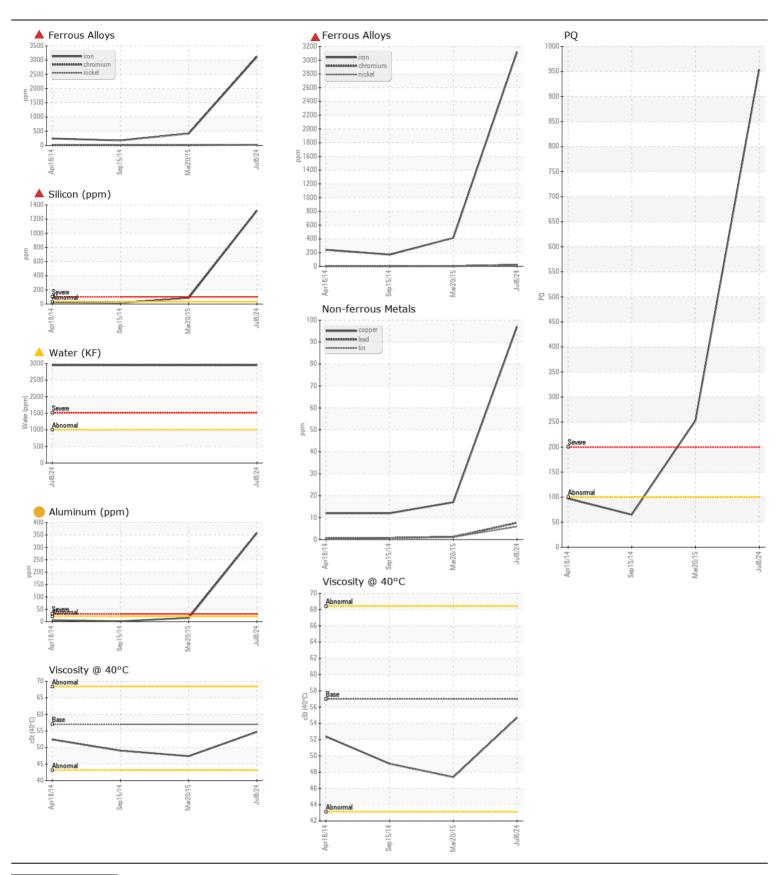
## Store 4 - Fairmont

**JOHN DEERE 648H 1DW648HXEDD655905** 

**Front Axle** 

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		LEC0050078	LECP142125	LECP14817
	Sample Date		Client Info		08 Jul 2024	20 Mar 2015	15 Sep 201
	Machine Age	hrs	Client Info		12453	2121	1149
	Oil Age	hrs	Client Info		11846	0	542
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Not Chang
	Filter Changed		Client Info		N/A	Not Changd	N/A
	Sample Status				SEVERE	ABNORMAL	NORMA
VEAR	PQ		ASTM D8184		954	253	65.0
Gear wear is indicated.	Iron	ppm	ASTM D5185m	>750	▲ 3119	413	170
	Chromium	ppm	ASTM D5185m	>11	<b>2</b> 0	2	1
	Nickel	ppm	ASTM D5185m	>10	<u> </u>	3	1
	Titanium	ppm	ASTM D5185m		23	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>21	<b>358</b>	<u> </u>	2
	Lead	ppm	ASTM D5185m	>49	8	1	<1
	Copper	ppm	ASTM D5185m	>101	97	17	12
	Tin	ppm	ASTM D5185m	>10	6	1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	HEAVY	MODE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>31	<b>1320</b>	<u> </u>	17
There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m	>20	84	5	2
	Water	%	ASTM D6304	>0.1	<u> </u>		
	ppm Water	ppm	ASTM D6304	>1000	<u> </u>		
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
<u> </u>	Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		13	4	3
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		2	3	3
	Barium	ppm	ASTM D5185m		2	0	0
	Molybdenum	ppm	ASTM D5185m	0	5	0	<1
	Manganese	ppm	ASTM D5185m		29	8	4
	Magnesium	ppm	ASTM D5185m		93	92	95
	Calcium	ppm	ASTM D5185m		2509	3347	3735
	Phosphorus	ppm	ASTM D5185m		1024	1056	1079
	Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1640	1069 3750	1165 1724	1231 5276
		ppm	1 - 1 1 1 1 1 1 2 km				52/6

Submitted By: STORE 3 - NORTON - BRIAN YOUTZY





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0050078 Lab Number : 06232562

Unique Number: 11116055 Test Package : CONST ( Additional Tests: KF, PQ )

Received : 10 Jul 2024 **Tested** : 11 Jul 2024

Diagnosed

: 12 Jul 2024 - Don Baldridge

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.

LESLIE EQUIPMENT COMPANY

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)