



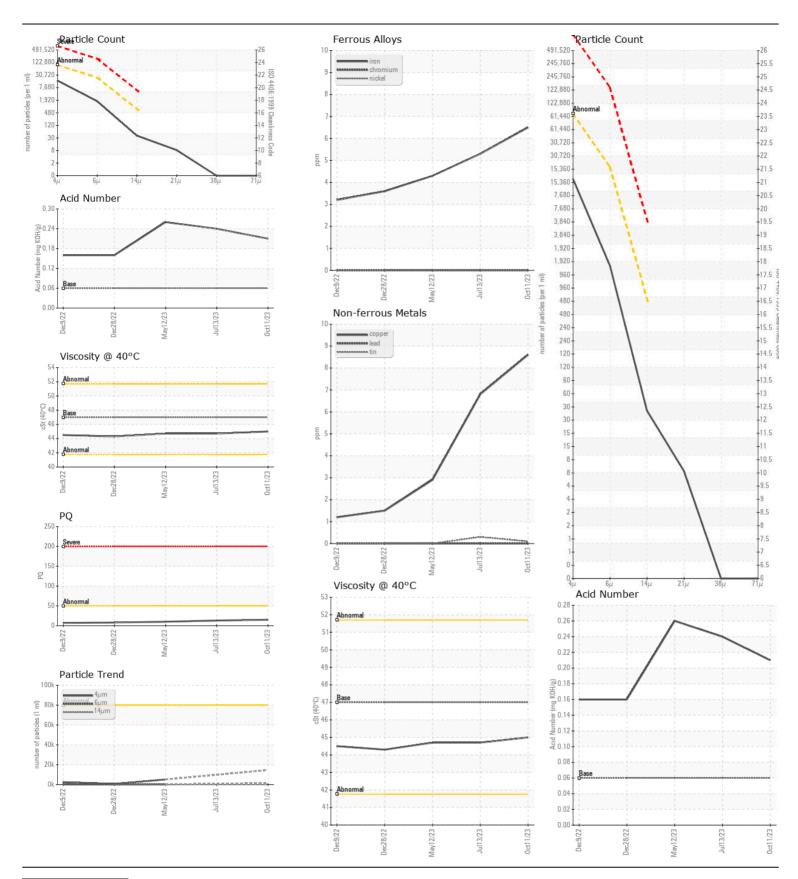
**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

## Store 8 - Pikeville

## **JOHN DEERE 210G 1FF210GXCNF530286**

Hydraulic System

HITACHI HYDRAULIC SUPER E	X 46HN (63	GAL	)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
HEOOMMENDATION	Sample Number		Client Info		LEC0042787	LEC0041074	LEC0040198
Resample at the next service interval to monitor. ( Customer Sample Comment: OIL FILTER CADDIED AS WELL )	Sample Date		Client Info		11 Oct 2023	13 Jul 2023	12 May 2023
	Machine Age	hrs	Client Info		1570	1083	831
	Oil Age	hrs	Client Info		1570	1083	831
	Filter Age	hrs	Client Info		1570	1083	831
	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
	Filter Changed		Client Info		Not Changd	Changed	Not Changd
	Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR	PQ		ASTM D8184	>50	15	13	10
All component wear rates are normal.	Iron	ppm	ASTM D5185m	>32	6	5	4
	Chromium	ppm	ASTM D5185m	>9	0	0	0
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>9	0	2	3
	Lead	ppm	ASTM D5185m	>28	0	0	0
	Copper	ppm	ASTM D5185m	>50	9	7	3
	Tin	ppm	ASTM D5185m	>5	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	<1	<1	<1
The assessment and also of a satisfactor assessment in the assessment	Potassium	ppm	ASTM D5185m	>20	0	<1	<1
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water		WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647		14627		5213
	Particles >6µm		ASTM D7647		1507		270
	Particles >14μm		ASTM D7647		34		7
	Particles >21μm		ASTM D7647		7		2
	Particles >38μm		ASTM D7647		0		0
	Particles >71μm		ASTM D7647		0		0
	Oil Cleanliness		\ /		21/18/12		20/15/10
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML NEG	NORML	NORML
	Emulsified Water	scalar	visuai	>0.075	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	1	<1	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0	0	0
	Barium	ppm	ASTM D5185m		1	0	0
	Molybdenum	ppm	ASTM D5185m		<1	<1	<1
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		5	2	4
	Calcium	ppm	ASTM D5185m		47	50	54
	Phosphorus	ppm	ASTM D5185m		213	221	194
	Zinc	ppm	ASTM D5185m		76	75	56
	Sulfur	ppm	ASTM D5185m		405	492	129
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.21	0.24	0.26
	Visc @ 40°C	cSt	ASTM D445	47	45.0	44.7	44.7





Certificate L2367

Laboratory Sample No. Lab Number

: LEC0042787 : 05978205 Unique Number : 10695500

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 13 Oct 2023 Received **Tested** 

: 17 Oct 2023 Diagnosed

: 17 Oct 2023 - Don Baldridge Test Package : CONST ( Additional Tests: PQ )

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 105 TENNIS CENTER DR. MARIETTA, OH

US 45750-9765 Contact: LEANNE KENDALL

KendalLeanne@lec1.com T:

F: (740)373-5570 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)