



WEAR
CONTAMINATION
FLUID CONDITION

NORMAL NORMAL ABNORMAL

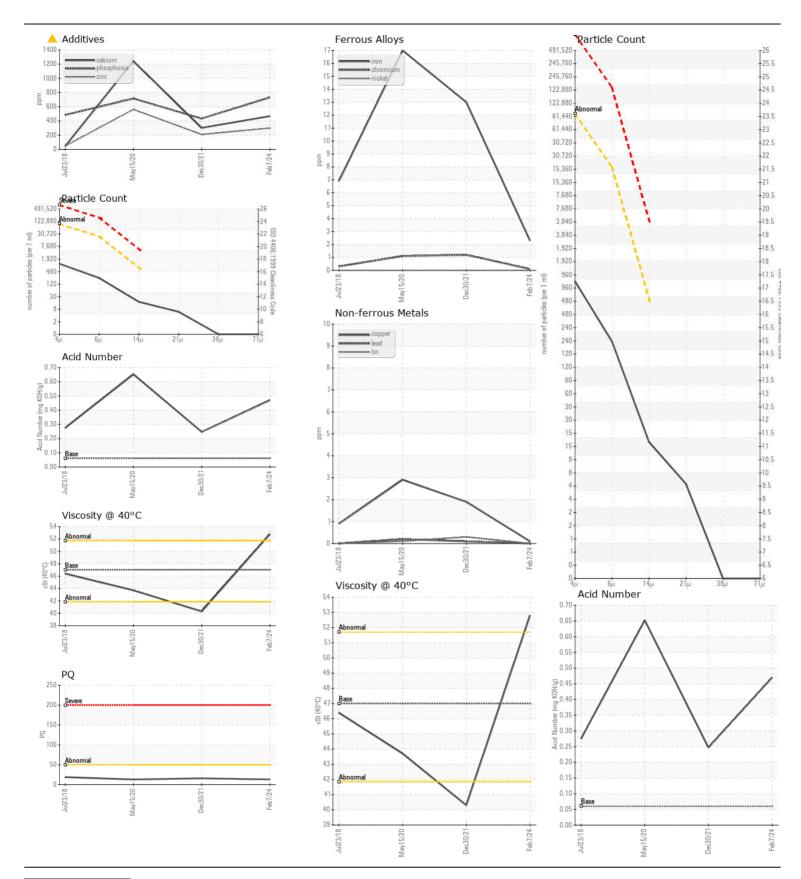


Store 2 - Beaver [RO#147415]

## **JOHN DEERE 350G 1FF350GXVEF810462**

Component Hydraulic System

HITACHI HYDRAULIC SUPER E	X 46HN (77	GAL	)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
HEOOMMENDATION	Sample Number		Client Info		LEC0046863	,	LEC0011949
Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil. Oil	Sample Date		Client Info		07 Feb 2024	30 Dec 2021	15 May 2020
	Machine Age	hrs	Client Info		9500	8034	6487
and filter change at the time of sampling has been noted. ( Customer	Oil Age	hrs	Client Info		1	8034	6487
Sample Comment: Changed oil/filter sampled new oil .)	Filter Age	hrs	Client Info		1	1547	1917
	Oil Changed	0	Client Info		Changed	Not Changd	Not Changd
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				ABNORMAL	ABNORMAL	
WEAR	PQ		ASTM D8184	>50	13	16	13
WEAT	Iron	ppm	ASTM D5185m		2	13	17
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		- <1	1	1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>9	<1	<b>A</b> 8	6
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m		<1	2	3
	Tin	ppm	ASTM D5185m		0	- <1	<1
	Vanadium	ppm	ASTM D5185m	, 0	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	4	<u> </u>	13
The amount and size of resitivulates are sent in the average are	Potassium	ppm	ASTM D5185m		<1	2	2
The amount and size of particulates present in the system are acceptable.	Water		WC Method	>0.075	NEG	NEG	NEG
acceptable.	Particles >4µm		ASTM D7647	>80000	1004	69631	66101
	Particles >6µm		ASTM D7647		208	4368	3013
	Particles >14µm		ASTM D7647		15	31	20
	Particles >21μm		ASTM D7647		5	7	12
	Particles >38µm		ASTM D7647		0	2	0
	Particles >71µm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)		17/15/11	23/19/12	23/19/11
	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	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	1	1	3
	Boron	ppm	ASTM D5185m		14	9	44
Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		14	<1	2
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		60	8	28
	Calcium	ppm	ASTM D5185m		467	302	1241
	Phosphorus	ppm	ASTM D5185m	827	731	432	715
	Zinc	ppm	ASTM D5185m		<u> </u>	<u> </u>	<u></u> 561
	Sulfur	ppm	ASTM D5185m	13	851	833	1222
	Acid Number (AN)	mg KOH/g		0.06	0.47	0.247	0.652
	Visc @ 40°C	cSt	ASTM D445	47	52.8	40.3	43.7





Certificate L2367

Laboratory Sample No.

: LEC0046863 Lab Number : 06084299 Unique Number : 10871744

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** 

Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 09 Feb 2024

: 08 Feb 2024

: 12 Feb 2024 - Don Baldridge

Contact: LEANNE KENDALL KendalLeanne@lec1.com

LESLIE EQUIPMENT COMPANY

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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