



WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ABNORMAL

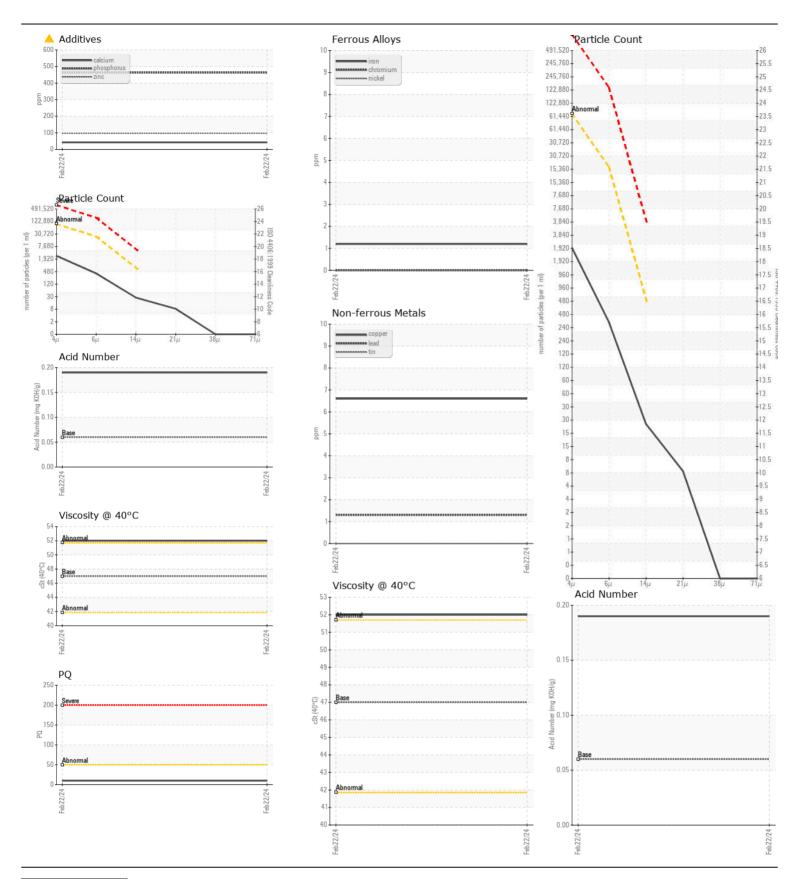


Store 9 - Marietta

JOHN DEERE 130P 1FF130PAKPF000207

Component Hydraulic System

HITACHI HYDRAULIC SUPER	EX 46HN (49	GAL	<u>)</u>				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.	Sample Number		Client Info		LEC0047880		
	Sample Date		Client Info		22 Feb 2024		
	Machine Age	hrs	Client Info		584		
	Oil Age	hrs	Client Info		584		
	Filter Age	hrs	Client Info		584		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
WEAR	PQ		ASTM D8184	>50	10		
	Iron	ppm	ASTM D5185m	>32	1		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>9	0		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>9	0		
	Lead	ppm	ASTM D5185m	>28	1		
	Copper	ppm	ASTM D5185m	>50	7		
	Tin	ppm	ASTM D5185m	>5	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	<1		
	Potassium	ppm	ASTM D5185m	>20	<1		
The amount and size of particulates present in the system are acceptable.	Water		WC Method	>0.075	NEG		
	Particles >4µm		ASTM D7647	>80000	2414		
	Particles >6µm		ASTM D7647	>20000	343		
	Particles >14μm		ASTM D7647	>640	24		
	Particles >21μm		ASTM D7647	>160	7		
	Particles >38µm		ASTM D7647	>40	0		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		18/16/12		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
<u></u>	Emulsified Water	scalar	*Visual	>0.075	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	2		
Zina laval abava magnifast magia magnasan datiana. The ANI laval is	Boron	ppm	ASTM D5185m		0		
Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		1		
	Calcium	ppm	ASTM D5185m		42		
	Phosphorus	ppm	ASTM D5185m		463		
	Zinc	ppm	ASTM D5185m		<u> </u>		
	Sulfur	ppm	ASTM D5185m		246		
					0.40		
	Acid Number (AN) Visc @ 40°C	mg KOH/g cSt	ASTM D8045 ASTM D445		0.19 52.0		





Certificate L2367

Laboratory Sample No.

Lab Number : 06102408

: LEC0047880 Unique Number : 10900638

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

: 27 Feb 2024 : 28 Feb 2024

: 29 Feb 2024 - Don Baldridge Diagnosed 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