



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



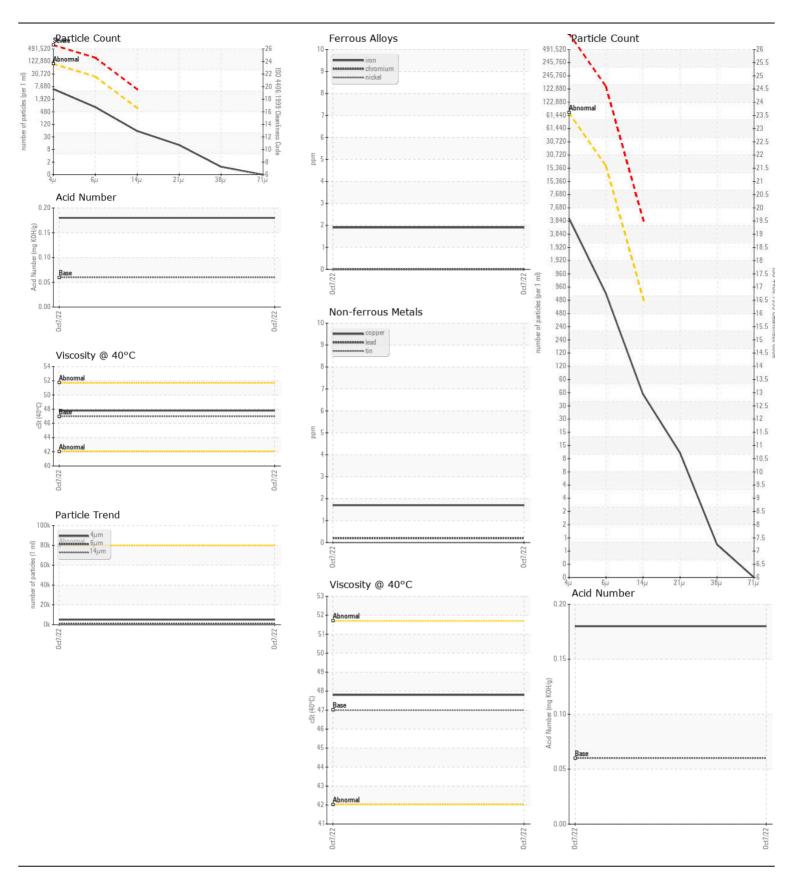
Area [A30923]

JOHN DEERE 210G 1FF210GXEMF529337

Component Hydraulic System

HITACHI HYDRAULIC SUPER EX 46HN (--- GAL)

HITACHI HYDRAULIC SUPER	<u> </u>	- <u>97-</u> /					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WE0002716		
	Sample Date		Client Info		07 Oct 2022		
	Machine Age	hrs	Client Info		523		
	Oil Age	hrs	Client Info		523		
	Filter Age	hrs	Client Info		523		
	Oil Changed		Client Info		Not Change		
	Filter Changed Sample Status		Client Info		Not Changd NORMAL		
<u></u>							
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>32	2		
	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	<1		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	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		
CONTAIVINATION	Potassium	ppm	ASTM D5185m		1		
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water	РРП	WC Method		NEG		
	Particles >4µm		ASTM D7647		5091		
	Particles >6µm		ASTM D7647		707		
	Particles >14μm		ASTM D7647	>640	51		
	Particles >21μm		ASTM D7647	>160	11		
	Particles >38µm		ASTM D7647	>40	1		
	Particles >71μm		ASTM D7647	>10	0		
	Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/17/13		
	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		
	Emulsified Water	scalar	*Visual	>0.075	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	0		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		<1		
	Calcium	ppm	ASTM D5185m		3		
	Phosphorus	ppm	ASTM D5185m	827	542		
	Zinc	ppm	ASTM D5185m		38		
	Sulfur	ppm	ASTM D5185m	13	146		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.18		
	Visc @ 40°C	cSt	ASTM D445	47	47.8		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WE0002716 : 05670859 : 10180429 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 19 Oct 2022 Recieved : 20 Oct 2022 Diagnosed : Don Baldridge Diagnostician

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE 25135 ONE AVIATION WAY SW MADISON, AL

US 35756 Contact: HERBERT STONE WTE013@WARRIORTRACTOR.COM T:

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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