WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

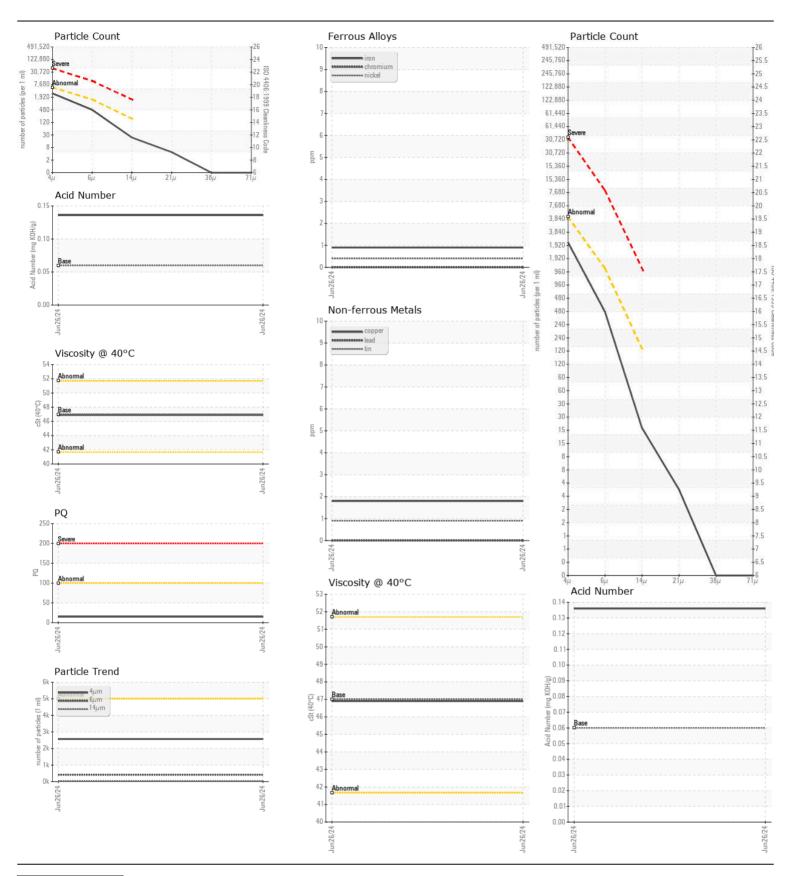
Machine Id

JOHN DEERE 210P 1FF210PAVPF001078

Hydraulic System

Fluid
IOHN DEERE ZINC-EREE HYDRAIII IC OII 46 (----

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
AECOMIMENDATION	Sample Number	OOW	Client Info	LIIIIUADII	JR0222603		
Resample at the next service interval to monitor.	Sample Date		Client Info		26 Jun 2024		
	Machine Age	hrs	Client Info		460		
	Oil Age	hrs	Client Info		460		
	Filter Age	hrs	Client Info		460		
	Oil Changed	1113	Client Info		Not Changd		
	Filter Changed		Client Info		Not Change		
	Sample Status		Ollotte little		NORMAL		
WEAR	PQ		ASTM D8184		15		
	Iron	ppm	ASTM D5185m	>20	<1		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0		
	Nickel	ppm	ASTM D5185m	>10	<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	<1		
	Lead	ppm	ASTM D5185m	>10	0		
	Copper	ppm	ASTM D5185m	>75	2		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	nnm	ASTM D5185m	- 20	.4		
CONTAMINATION	Potassium	ppm	ASTM D5185m		<1 2		
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Water	ppm	WC Method				
					NEG		
	Particles >4µm Particles >6µm		ASTM D7647 ASTM D7647		2571		
	Particles >0μm		ASTM D7647		418 20		
					4		
	Particles >21µm		ASTM D7647		0		
	Particles >38µm		ASTM D7647		-		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		19/16/11		
	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	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	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		6		
	Phosphorus	ppm	ASTM D5185m		600		
	Zinc	ppm	ASTM D5185m		39		
	Sulfur	ppm	ASTM D5185m		204		
	Acid Number (AN)	mg KOH/g	ASTM D3103111	0.06	0.136		
	ACID MILIMPER LAND						





Certificate L2367

Laboratory Sample No. Lab Number Unique Number: 11103182

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0222603 : 06224985

Received **Tested**

: 01 Jul 2024 Diagnosed Test Package : CONST (Additional Tests: PQ)

: 03 Jul 2024 : 03 Jul 2024 - Jonathan Hester

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC

US 27529 Contact: JOHN GUASCHINO

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. john.guaschino@jamesriverequipment.com T:

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

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