WEAR CONTAMINATION **FLUID CONDITION**

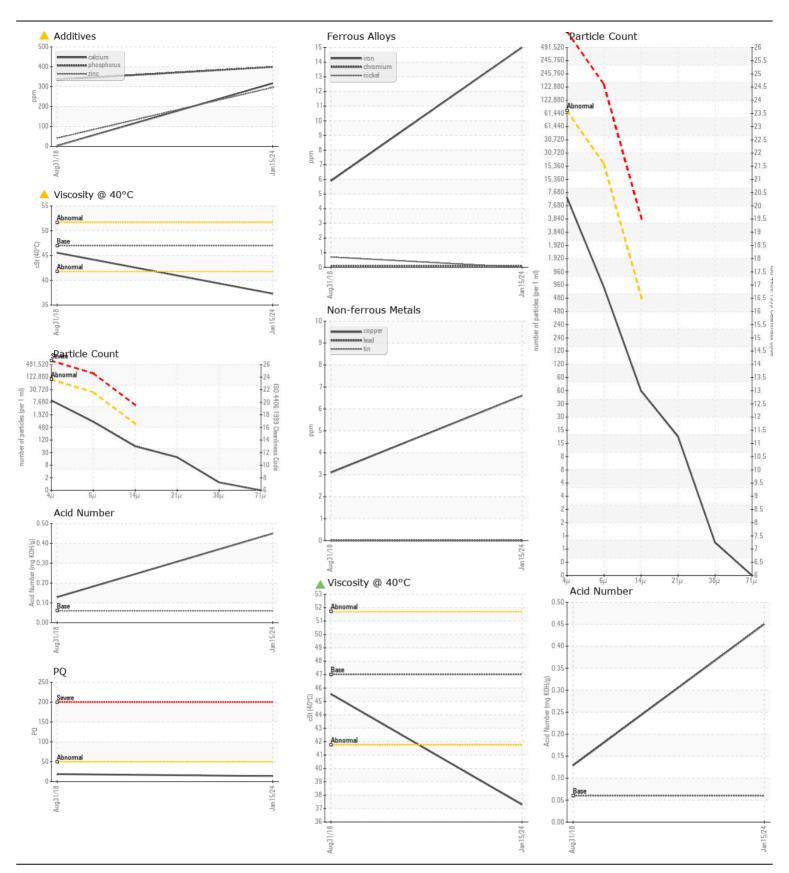
NORMAL NORMAL ABNORMAL

[CRISS CROSS]

JOHN DEERE 35G 1FF035GXHHK281245

Hydraulic System

	<u>L)</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		JR0163925	JRMC420153	
	Sample Date		Client Info		15 Jan 2024	31 Aug 2018	
	Machine Age	hrs	Client Info		2718	232	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	_	
	Sample Status				ABNORMAL	ABNORMAL	
WEAR	PQ		ASTM D8184	>50	14	19	
	Iron	ppm	ASTM D5185m	>32	15	6	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>9	<1	<1	
	Nickel	ppm	ASTM D5185m	>5	0	<1	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>9	1	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		7	3	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	<u></u>	8	1	
CONTAMINATION	Potassium	ppm	ASTM D5185m		<1	0	
The amount and size of particulates present in the system are acceptable.	Water	ррпп	WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		8286	▲ 24775	
	Particles >6µm		ASTM D7647		788	▲ 6620	
	Particles >14µm		ASTM D7647		53	▲ 473	
	Particles >21µm		ASTM D7647		16	▲ 93	
	Particles >38µm		ASTM D7647		1	2	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness		ISO 4406 (c)		20/17/13	<u>22/20/16</u>	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.075	NEG	NEG	
		Scalai	Visuai	>0.075	NEG	NLG	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>21	<1	<1	
	Boron	ppm	ASTM D5185m		<1	0	
The oil viscosity is lower than normal. Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	<1	
	Molybdenum	ppm	ASTM D5185m		1	<1	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		10	15	
	Calcium	ppm	ASTM D5185m		317	3	
	Phosphorus	ppm	ASTM D5185m	827	399	336	
	Zinc	ppm	ASTM D5185m		296	41	
	Sulfur	ppm	ASTM D5185m	13	1565	1564	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.45	0.129	
	Visc @ 40°C	cSt	ASTM D445	47	▲ 37.3	45.55	





Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0163925 : 06062557

: 10833939

Recieved : 17 Jan 2024 Diagnosed : 18 Jan 2024 Diagnostician : Don Baldridge

US 23005 Contact: COLTON HANKS colton.hanks@jamesriverequipment.com

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.

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

T: F: (804)358-8431

JRE - ASHLAND

ASHLAND, VA

11053 LEADBETTER ROAD