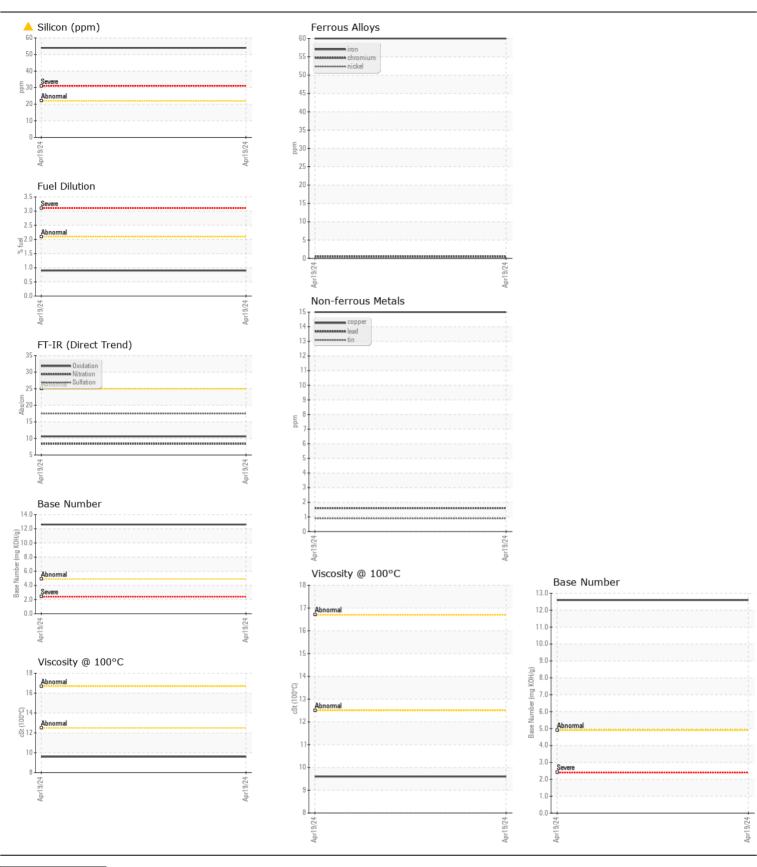
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL ABNORMAL NORMAL** 

Machine Id

## JOHN DEERE 35G 1FF035GXHPK302853

Diesel Engine							
{not provided} ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info	Elillio7 toll	JR0212407		
	Sample Date		Client Info		19 Apr 2024		
	Machine Age	hrs	Client Info		598		
	Oil Age	hrs	Client Info		598		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1110	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAD	I.e.		AOTM DEADE				
WEAR  Metal levels are typical for a new component breaking in.	Iron	ppm	ASTM D5185m		60		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		15		
	Tin	ppm	ASTM D5185m	>4	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	nnm	ASTM D5185m	<b>.</b> 22	<u> </u>		
Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material.	Potassium	ppm	ASTM D5185m		0		
	Fuel	ppm o/	ASTM D3163111				
	Water	%	WC Method		0.9 NEG		
	Glycol		WC Method	>0.21	NEG		
	Soot %	%	*ASTM D7844	. 2	0.4		
	Nitration	Abs/cm	*ASTM D7644	>20	8.4		
	Sulfation	Abs/.1mm	*ASTM D7024		17.5		
	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		*Visual	>0.21	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	16		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		64		
	Barium	ppm	ASTM D5185m		17		
	Molybdenum	ppm	ASTM D5185m		123		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		71		
	Calcium	ppm	ASTM D5185m		4168		
	Phosphorus	ppm	ASTM D5185m		1176		
	Zinc	ppm	ASTM D5185m		1366		
	Sulfur	ppm	ASTM D5185m		7310		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	10.6		
	Base Number (BN)	mg KOH/g	ASTM D2896		12.6		
	Visc @ 100°C	cSt	ASTM D445		9.6		







Certificate L2367

Laboratory Sample No.

: JR0212407 Lab Number : 06155656 Unique Number: 10991079

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

**Tested** Diagnosed Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, TBN )

: 22 Apr 2024 : 25 Apr 2024

: 25 Apr 2024 - Don Baldridge

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC

US 27529 Contact: RALEIGH SHOP sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com

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.

T: (919)614-2260 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)779-5432