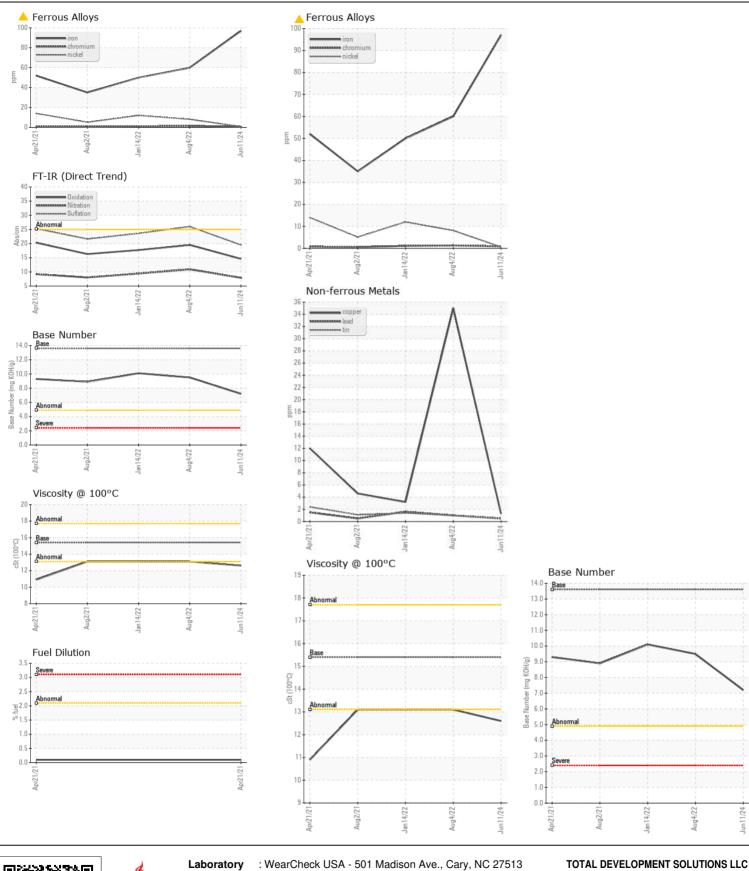
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL NORMAL NORMAL**

Machine Id

JOHN DEERE 368

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0217844	JR0139627	JR011715
	Sample Date		Client Info		11 Jun 2024	04 Aug 2022	14 Jan 202
	Machine Age	hrs	Client Info		5947	2356	1382
	Oil Age	hrs	Client Info		500	0	485
	Filter Age	hrs	Client Info		500	0	485
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
VEAR	Iron	nnm	ASTM D5185m	<u>- 51</u>	<u>^</u> 97	<u>^</u> 60	50
WLAN	Chromium	ppm	ASTM D5185m		<1	1	1
The iron level is abnormal. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	8	<u>1</u>
	Titanium	ppm	ASTM D5185m	75	<1	<1	<1
	Silver	ppm	ASTM D5185m	~3	0	<1	<1
	Aluminum	ppm	ASTM D5185m		2	5	4
	Lead	ppm	ASTM D5185m		<1	1	2
	Copper	ppm	ASTM D5185m		1	<u> </u>	3
	Tin	ppm	ASTM D5185m		<1	1	1
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
NONT A NUM A TION						_	
CONTAMINATION	Silicon	ppm	ASTM D5185m		12	7	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	3	3
	Fuel	%	ASTM D3524		<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	% A b a /ava	*ASTM D7844		0.4	0.7	0.5
	Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	7.9	10.9 26.0	9.4
	Silt	scalar	*Visual	NONE	19.5 NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		72	106	191
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	3	0
	Molybdenum	ppm	ASTM D5185m		24	285	254
	Manganese	ppm	ASTM D5185m		<1	1	1
	Magnesium	ppm	ASTM D5185m		131	835	823
	Calcium	ppm	ASTM D5185m		2324	1513	1475
	Phosphorus	ppm	ASTM D5185m		973	894	869
	Zinc	ppm	ASTM D5185m		1204	1175	1087
	Sulfur	ppm	ASTM D5185m	0.5	4065	2844	2985
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	19.5	17.7
	Base Number (BN)		ASTM D2896	400	7.2	9.5	10.1







Certificate L2367

Sample No.

Lab Number : 06224300 Unique Number : 11102497

: JR0217844 Received : 01 Jul 2024 **Tested** : 02 Jul 2024

Diagnosed : 02 Jul 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, KV40, TBN)

7805 PROGRESS CT GAINESVILLE, VA

Contact: JOE SEALE

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: (571)220-7763 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (703)753-4586

US 20155