



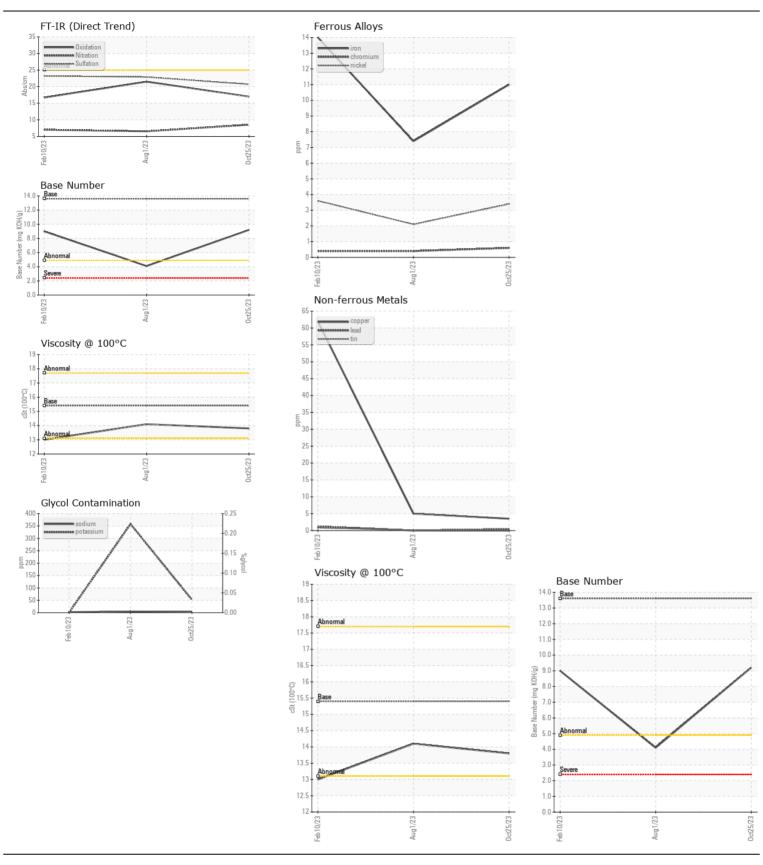
**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

## Store 4 - Fairmont [144477]

## **JOHN DEERE 250G 1FF250GXLNF611927**

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (5 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TECOMMENDATION	Sample Number	OOW	Client Info	LIIIIU/ADII	LEC0045527	LEC0043845	LEC0038878
Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates of oil and filter time.	Sample Date		Client Info		25 Oct 2023	01 Aug 2023	10 Feb 2023
	Machine Age	hrs	Client Info		1429	1177	649
	Oil Age	hrs	Client Info		252	528	649
	Filter Age	hrs	Client Info		252	528	649
	Oil Changed		Client Info		Not Changd	Changed	Changed
	Filter Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	11	7	14
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	3	2	4
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m	>31	7	1	3
	Lead	ppm	ASTM D5185m	>26	0	0	1
	Copper	ppm	ASTM D5185m	>26	4	5	62
	Tin	ppm	ASTM D5185m	>4	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Silicon ppm ASTM D5185m >!20						9	6
CONTAMINATION	Potassium	ppm	ASTM D5185m		8 52	△ 358	0
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol	%	*ASTM D2982	, 0.2.	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.5	6.5	7.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	22.9	23.2
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	4	5	2
	Boron	ppm	ASTM D5185m		332	671	315
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		355	959	140
	Manganese	ppm	ASTM D5185m		<1	<1	1
	Magnesium	ppm	ASTM D5185m		723	207	658
	Calcium	ppm	ASTM D5185m		1263	664	1580
	Phosphorus	ppm	ASTM D5185m		842	<b>167</b>	717
	Zinc	ppm	ASTM D5185m		978	213	898
	Sulfur	ppm	ASTM D5185m		3452	_ 2612	2815
	Oxidation	Abs/.1mm	*ASTM D7414		17.0	21.5	16.7
	Base Number (BN)	•			9.2	4.1	9.0
	Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.1	13.0







Laboratory Sample No.

Lab Number : 05990228 Unique Number : 10712890

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0045527

Received : 26 Oct 2023 **Tested** Diagnosed Test Package: CONST (Additional Tests: Glycol, TBN)

: 31 Oct 2023 : 28 Nov 2023 - Doug Bogart

Contact: LEANNE KENDALL

LESLIE EQUIPMENT COMPANY

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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)