WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

ABNORMAL

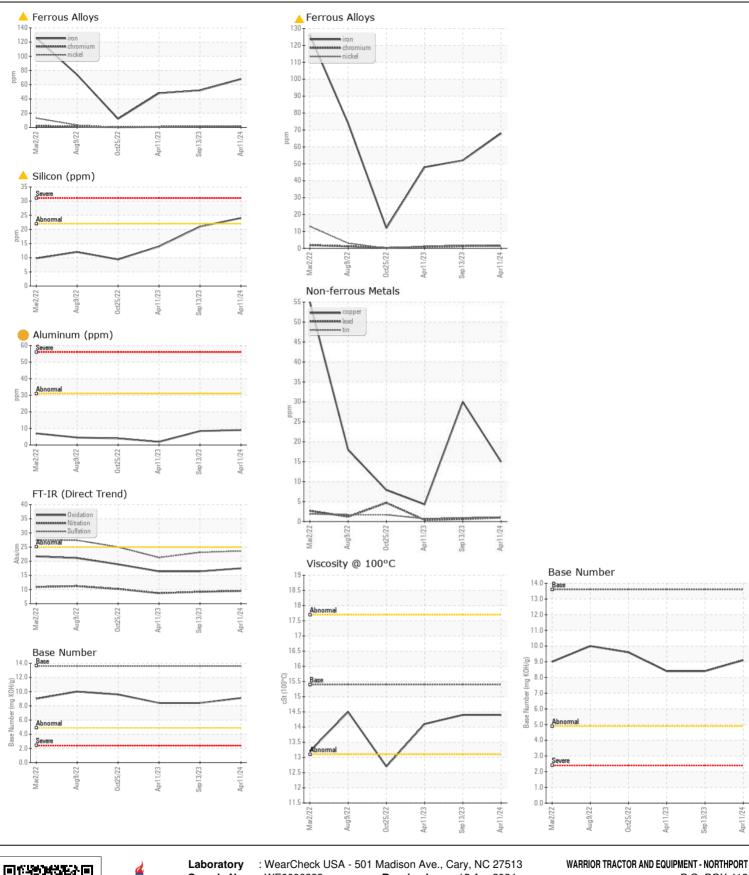
NORMAL

Machine Id

JOHN DEERE 350G 1FF350GXPKF814078

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WE0006883	WE0004950	WE0004042
We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.	Sample Date		Client Info		11 Apr 2024	13 Sep 2023	11 Apr 2023
	Machine Age	hrs	Client Info		3955	3491	2937
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	▲ 68	<u></u> 52	48
	Chromium	ppm	ASTM D5185m	>11	2	1	<1
The iron level is abnormal. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		1	2	1
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	<u>9</u>	8	2
	Lead	ppm	ASTM D5185m	>26	1	<1	<1
	Copper	ppm	ASTM D5185m	>26	15	△ 30	4
	Tin	ppm	ASTM D5185m	>4	1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	24	21	14
SONTAININATION	Potassium	ppm	ASTM D5185m		4	4	2
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Fuel	ppiii	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.5	0.6	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.5	9.2	8.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.6	23.1	21.3
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	4	3	2
ESIB SSRBITION	Boron	ppm	ASTM D5185m		269	170	222
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		2	0	2
	Molybdenum	ppm	ASTM D5185m		399	287	263
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		1267	893	810
	Calcium	ppm	ASTM D5185m		2136	1586	1575
	Phosphorus	ppm	ASTM D5185m		1401	945	883
	Zinc	ppm	ASTM D5185m		1593	1161	1055
	Sulfur	ppm	ASTM D5185m		4549	3332	2974
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.5	16.4	16.4
	Base Number (BN)				9.1	8.4	8.4
	1 /	0					







Certificate L2367

Report Id: WARNOR [WUSCAR] 06148523 (Generated: 04/17/2024 13:39:47) Rev: 1

Sample No. Unique Number : 10978601

: WE0006883 Lab Number : 06148523

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 15 Apr 2024 : 16 Apr 2024

: 17 Apr 2024 - Jonathan Hester

P.O. BOX 412 NORTHPORT, AL

US 35476

Contact: CRAIG ANDOE serve01@warriortractor.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (205)339-0300 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)