

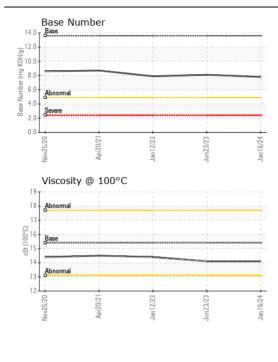
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

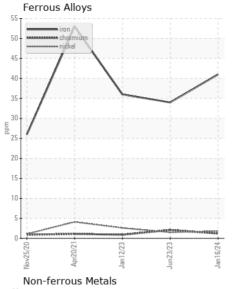


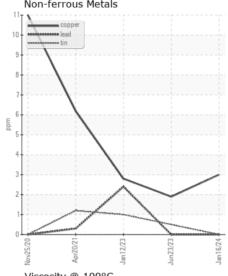
JOHN DEERE 210G E-30 (S/N 1FF210GXCKF527299)

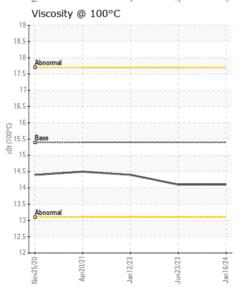
Component Diesel Engine

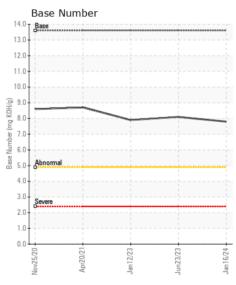
	JS 50 II 15W	<u> </u>	<u> </u>				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0196386	JR0160801	JR05742977
	Sample Date		Client Info		16 Jan 2024	23 Jun 2023	12 Jan 2023
	Machine Age	hrs	Client Info		5459	4829	4218
	Oil Age	hrs	Client Info		630	611	691
	Filter Age	hrs	Client Info		630	611	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	41	34	36
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	2	<1
	Nickel	ppm	ASTM D5185m		2	2	3
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		7	5	4
	Lead	ppm	ASTM D5185m		0	0	2
	Copper	ppm	ASTM D5185m		3	2	3
	Tin	ppm	ASTM D5185m		0	<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
CONTAMINATION	Silicon	ppm	ASTM D5185m	-22	13	9	9
CONTAININATION	Potassium	ppm	ASTM D5185m		3	1	<1
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.∠1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~3	0.7	0.7	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	9.8	10.7	10.3
	Sulfation	Abs/.1mm	*ASTM D7024		24.7	26.1	25.8
	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		*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m	. 21	2	2	1
TEOID CONDITION	Sodium Boron	ppm	ASTM D5185m	701	3 182	3 101	80
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		4	0	0
	Molybdenum	ppm	ASTM D5185m		350	262	265
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		1226	928	937
	Calcium	ppm	ASTM D5185m		1884	1551	1671
	Phosphorus	ppm	ASTM D5185m		1127	923	921
	Zinc	ppm	ASTM D5185m		1444	1178	1215
	Sulfur	ppm	ASTM D5185m		4202	3544	3368
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	18.5	20.4	20.0
	Base Number (BN)				7.8	8.1	7.9
	Visc @ 100°C	cSt	ASTM D2090			14.1	14.4
	visc @ 100°C	USI	49 LINI D449	15.4	14.1	14.1	14.4













Certificate L2367

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

: JR0196386 : 06064060 : 10835442

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 18 Jan 2024 Diagnosed : 20 Jan 2024

Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: TBN)

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)

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