



WEAR CONTAMINATION FLUID CONDITION

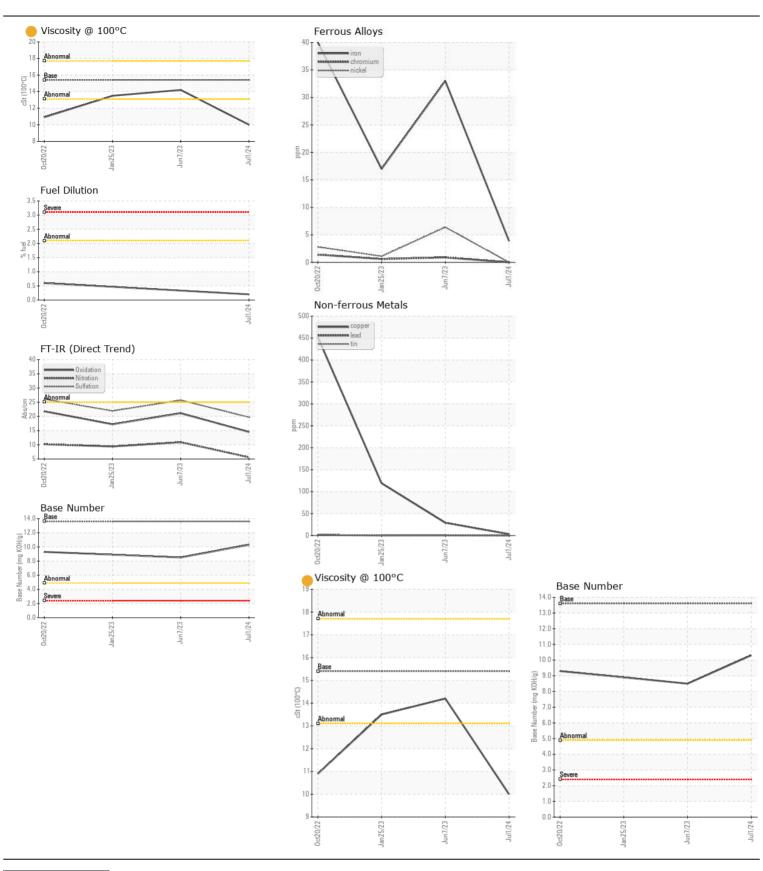
NORMAL NORMAL ATTENTION

Store 8 - Pikeville

JOHN DEERE 210G 1FF210GXENF530294

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (6 GAL)							
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	00	Client Info	21111071011	LEC0049782	LEC0042292	LEC0038848
	Sample Date		Client Info		01 Jul 2024	07 Jun 2023	25 Jan 2023
	Machine Age	hrs	Client Info		1929	1401	805
	Oil Age	hrs	Client Info		528	596	351
	Filter Age	hrs	Client Info		528	596	351
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	NORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	4	33	17
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	0	<1	<1
	Nickel	ppm	ASTM D5185m	>5	0	6	1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	4	2	3
	Lead	ppm	ASTM D5185m	>26	0	<1	<1
	Copper	ppm	ASTM D5185m	>26	3	29	<u></u> 119
	Tin	ppm	ASTM D5185m	>4	<1	1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Fuel content negligible. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>!20	9	7	8
	Potassium	ppm	ASTM D5185m	>20	2	2	<1
	Fuel	%	ASTM D3524	>2.1	0.2	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.8	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	5.6	10.9	9.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	25.7	21.9
	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
<u></u>	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	5	4
The oil viscosity is lower than normal. The BN result indicates that	Boron	ppm	ASTM D5185m		291	118	232
there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		232	250	242
	Manganese	ppm	ASTM D5185m		2	1	1
	Magnesium	ppm	ASTM D5185m		849	819	802
	Calcium	ppm	ASTM D5185m		1341	1613	1400
	Phosphorus	ppm	ASTM D5185m		887	853	851
	Zinc	ppm	ASTM D5185m		1049	1128	1027
	Sulfur	ppm	ASTM D5185m		3477	3437	3254
	Oxidation	Abs/.1mm	*ASTM D7414		14.5	21.1	17.2
	Base Number (BN)				10.3	8.5	8.9
	Visc @ 100°C	cSt	ASTM D445	15.4	10.0	14.2	13.5







Laboratory Sample No.

Unique Number : 11111737

: LEC0049782 Lab Number : 06228244

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

Received **Tested**

: 09 Jul 2024 Diagnosed : 09 Jul 2024 - Don Baldridge

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

: 05 Jul 2024

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.

LESLIE EQUIPMENT COMPANY

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)