

WEAR CONTAMINATION FLUID CONDITION

SEVERE SEVERE ATTENTION

Area

Store 1 - Cowen

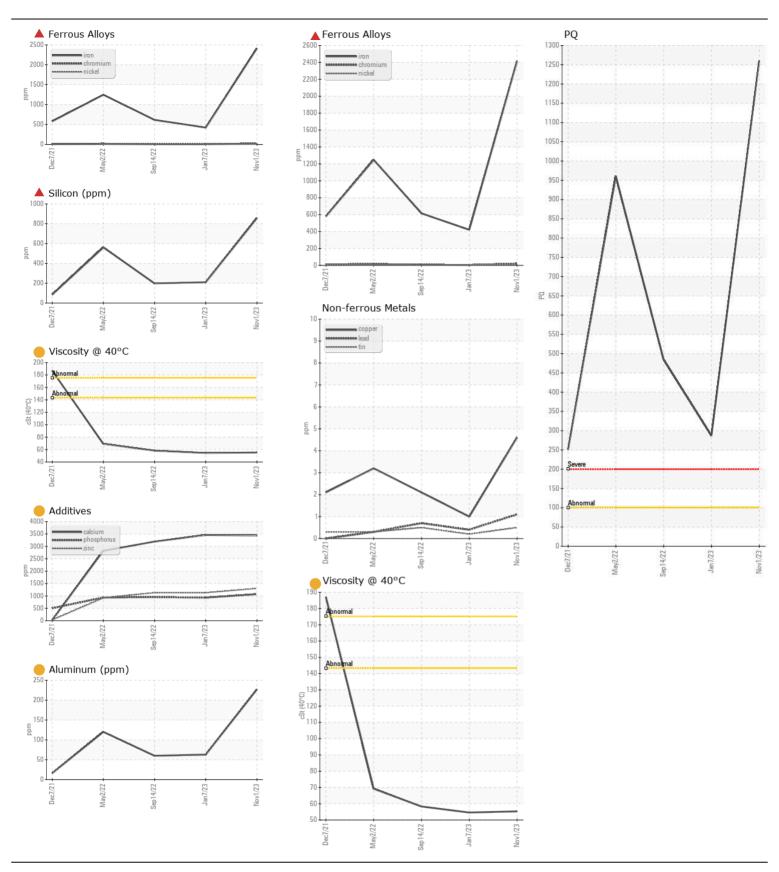
JOHN DEERE 210G 1FF210GXTKF527720

Left Propel Gearbox

JOHN DEERE GL-5 80W90 (2 C	GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		LEC0045963	LEC0036991	LEC0030176
	Sample Date		Client Info		01 Nov 2023	07 Jan 2023	14 Sep 2022
	Machine Age	hrs	Client Info		3000	2176	1691
	Oil Age	hrs	Client Info		824	485	565
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				SEVERE	ABNORMAL	ABNORMAL
WEAR	PQ		ASTM D8184		1260	287	485
Gear wear is indicated.	Iron	ppm	ASTM D5185m	>1250	2416	421	615
	Chromium	ppm	ASTM D5185m	>10	2 0	4	6
	Nickel	ppm	ASTM D5185m	>10	5	2	1
	Titanium	ppm	ASTM D5185m		17	4	4
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		227	63	60
	Lead	ppm	ASTM D5185m		1	<1	<1
	Copper	ppm	ASTM D5185m		5	1	2
	Tin	ppm	ASTM D5185m		<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		4 857	<u> </u>	<u> </u>
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m	>20	68	16	14
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	MODER
	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	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		11	2	<1
The oil viscosity is lower than normal. This plus the additive levels	Boron	ppm	ASTM D5185m		8	<1	9

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

Boron	ppm	MCQ1CG IN11 CA		9 8	<1	9				
Barium	ppm	ASTM D5185m		2	0	0				
Molybdenum	ppm	ASTM D5185m		2	<1	<1				
Manganese	ppm	ASTM D5185m		20	4	6				
Magnesium	ppm	ASTM D5185m		<u> </u>	98	99				
Calcium	ppm	ASTM D5185m		3437	3460	3194				
Phosphorus	ppm	ASTM D5185m		1069	930	949				
Zinc	ppm	ASTM D5185m		1302	1128	1131				
Sulfur	ppm	ASTM D5185m		4341	3700	3906				
Visc @ 40°C	cSt	ASTM D445		55.3	54.6	58.3				
Submitted By: STODE 1 COMENT TEMNIFED ADMENTDOLIT										





Certificate L2367

Laboratory Sample No.

Lab Number : 06008658

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0045963

Received **Tested**

Unique Number : 10742420 Diagnosed

: 15 Nov 2023

: 16 Nov 2023

: 17 Nov 2023 - Sean Felton

Test Package : CONST (Additional Tests: PQ)

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. 105 TENNIS CENTER DR. MARIETTA, OH

LESLIE EQUIPMENT COMPANY

US 45750-9765 Contact: LEANNE KENDALL

KendalLeanne@lec1.com T:

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