

WEAR CONTAMINATION FLUID CONDITION

ATTENTION ABNORMAL ATTENTION

Store 9 - Marietta

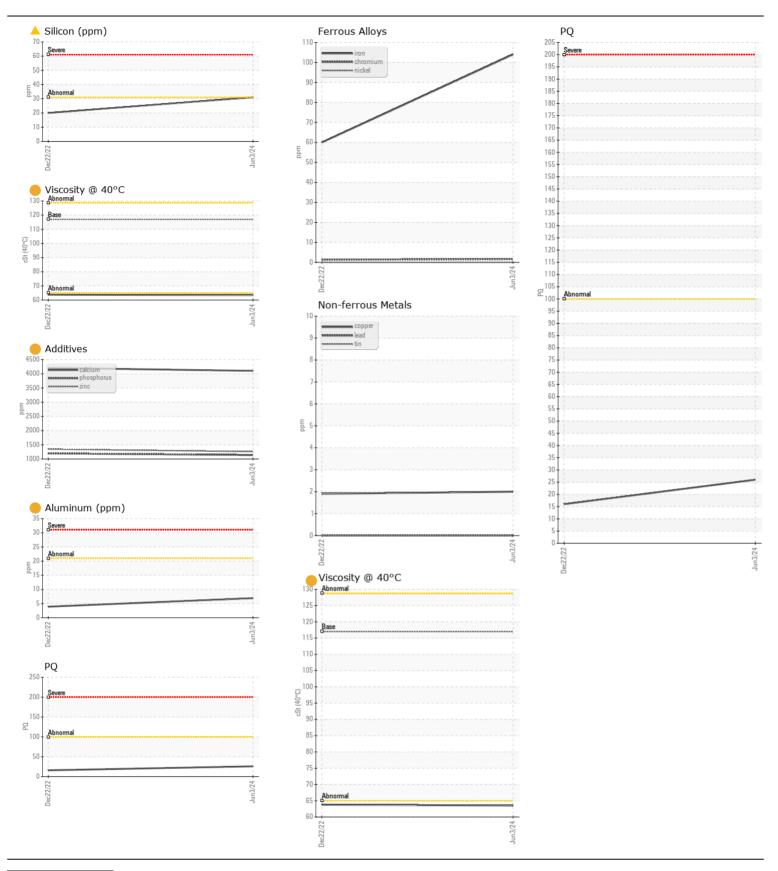
JOHN DEERE 250GL 2259 (S/N 1FF250GXENF611977)

Pump Drive

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 OTS)

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1	QTS)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0041033	LEC0037163	
	Sample Date		Client Info		03 Jun 2024	22 Dec 2022	
	Machine Age	hrs	Client Info		1092	559	
	Oil Age	hrs	Client Info		500	559	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	ATTENTION	
WEAR	PQ		ASTM D8184		26	16	
	Iron	ppm	ASTM D5185m	>151	104	60	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2	1	
	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>21	7	4	
	Lead	ppm	ASTM D5185m	>51	0	0	
	Copper	ppm	ASTM D5185m	>51	2	2	
	Tin	ppm	ASTM D5185m	>4	0	0	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	MODER	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>31	▲ 31	20	
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	4	
	Water		WC Method		NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	LIGHT	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	9	4	
The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.	Boron	ppm	ASTM D5185m		58	5 6	
	Barium	ppm	ASTM D5185m		4	0	
	Molybdenum	ppm	ASTM D5185m		<u> </u>	108	
	Manganese	ppm	ASTM D5185m		4	3	
	Magnesium	ppm	ASTM D5185m		<u> </u>	1 4	
	Calcium	ppm	ASTM D5185m		4102	4208	
	Phosphorus	ppm	ASTM D5185m		1140	<u> </u>	
	Zinc	ppm	ASTM D5185m		1258	1346	
	Sulfur	ppm	ASTM D5185m		9045	9476	
Depart Id. DUCWECOLL IM/ ICCAD3 0C014079 /Consented 0C/01/0004 1C40000 Dev. 1	Visc @ 40°C	cSt	ASTM D445	117	63.5	63.8	 - CUEDDV

Submitted By: JEFF SHERRY





Certificate L2367

Laboratory Sample No.

: LEC0041033 Lab Number : 06214973

Unique Number : 11087837

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

Tested Diagnosed : 19 Jun 2024

: 20 Jun 2024

: 21 Jun 2024 - 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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