WEAR CONTAMINATION FLUID CONDITION

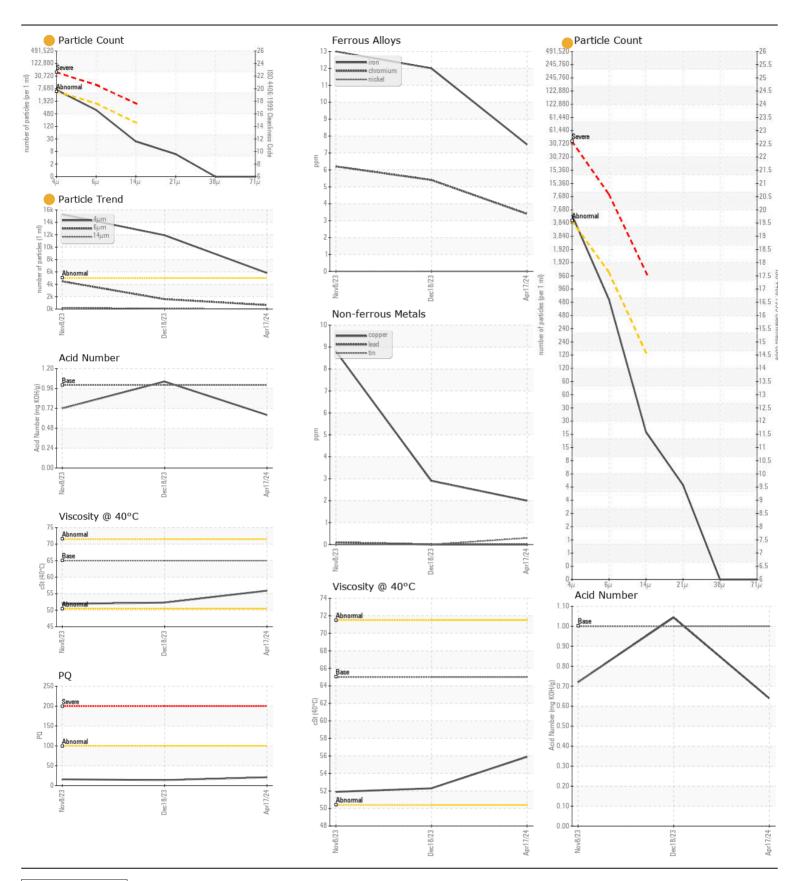
NORMAL
ATTENTION
NORMAL

[MILLS BROS LOGGING]

**JOHN DEERE 748L-II 711759** 

**Hydraulic System** 

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
ILCOMMENDATION	Sample Number	OOW	Client Info	LITTIU/ADIT	JR0209678	JR0193581	JR016457
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		17 Apr 2024	18 Dec 2023	08 Nov 202
	Machine Age	hrs	Client Info		4981	4321	4127
	Oil Age	hrs	Client Info		0	4321	4127
	Filter Age	hrs	Client Info		0	4321	4127
	Oil Changed	1110	Client Info		N/A	Changed	N/A
	Filter Changed		Client Info		N/A	Changed	N/A
	Sample Status				ATTENTION	ABNORMAL	ABNORMA
VEAR	PQ		ASTM D8184		21	14	16
VEAIL	Iron	ppm	ASTM D5185m	>20	8	12	13
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		3	5	6
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>10	<1	<1	1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>10	<1	2	3
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		2	3	9
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m	>10	0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	6	10	12
	Potassium	ppm	ASTM D5185m		3	5	8
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water	ρρ	WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647		<u>5824</u>	<u> </u>	<u>▲</u> 15283
	Particles >6µm		ASTM D7647		640	1589	▲ 4467
	Particles >14µm		ASTM D7647		20	65	<u>^</u> 213
	Particles >21µm		ASTM D7647		5	19	<u>48</u>
	Particles >38µm		ASTM D7647		0	2	2
	Particles >71µm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)		20/16/11	<u>^</u> 21/18/13	<u>^</u> 21/19/
	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	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		7	5	11
	Boron	ppm	ASTM D5185m		4	8	11
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		1	3	4
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		12	22	27
	Calcium	ppm	ASTM D5185m	87	336	507	662
	Phosphorus	ppm	ASTM D5185m		601	488	703
	Zinc	ppm	ASTM D5185m	900	722	720	913
	Sulfur	ppm	ASTM D5185m		2212	1912	3161
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.64	1.044	0.72
							V.1 L





Laboratory Sample No. Lab Number Unique Number : 10983045

: JR0209678 : 06152967

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

: 18 Apr 2024 Diagnosed

: 19 Apr 2024 : 22 Apr 2024 - Don Baldridge

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC

US 27529 Contact: RALEIGH SHOP

Test Package : CONST ( Additional Tests: PQ ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

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\* - 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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