

WEAR CONTAMINATION FLUID CONDITION **ABNORMAL SEVERE NORMAL**

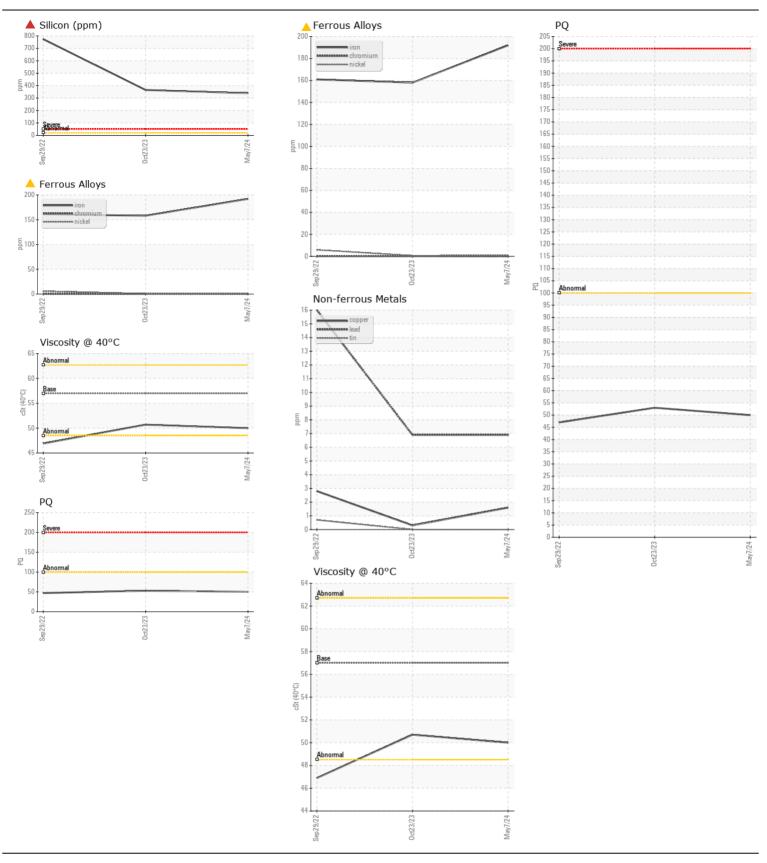
Store 1 - Cowen [RO#150387]

JOHN DEERE 748L II 1DW748LBTMF711946

Wet Disc Brake

JOHN DEERE HY-GARD HYD/TRANS (27 Oz)

Test	JOHN DEERE HY-GARD HYD/TRANS (27 Oz)							
Sample Date Client Info Changed at the time of sampling has been noted. Resample at the time of sampling has been noted. Resampl	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Cilent Info Of Way 2012 2012	The oil change at the time of sampling has been noted. Resample at	Sample Number		Client Info		LEC0048757	LEC0042209	LEC0034794
Oil Age hrs		Sample Date		Client Info		07 May 2024	23 Oct 2023	29 Sep 2022
Filter Age		Machine Age	hrs	Client Info		2631	2064	1122
Oil Changed Client Info Changed Ritter Changed Client Info Server Changed Chang		Oil Age	hrs	Client Info		1509	942	1122
Filter Changed Pilter Changed Pil		Filter Age	hrs	Client Info		0	0	0
Name		Oil Changed		Client Info		Changed	Not Changd	Changed
PQ		Filter Changed		Client Info		N/A	N/A	N/A
Tron		Sample Status				SEVERE	SEVERE	SEVERE
Chromium ppm ASTM DS185m >10 0 <1 <1 <1 <1 <1 <1 <	WEAR	PQ		ASTM D8184		50	53	47
Chromium ppm ASTM D5185m >1 0 0 <1 <1 6 Nickel ppm ASTM D5185m >1 0 0 <1 <1 6 Silver ppm ASTM D5185m >1 0 0 <1 <1 6 Silver ppm ASTM D5185m >1 0 0 <1 <1 <1 6 Aluminum ppm ASTM D5185m 2 2 2 8 Silver ppm ASTM D5185m >1 0 3 3 2 Lead ppm ASTM D5185m >1 0 7 7 16 Copper ppm ASTM D5185m >1 0 7 7 16 Copper ppm ASTM D5185m >1 0 0 0 <1 3 Usadium ppm ASTM D5185m >1 0 0 0 <1 3 Usadium ppm ASTM D5185m >1 0 0 0 0 <1 Usadium ppm ASTM D5185m >1 0 0 0 0 <1 Usadium ppm ASTM D5185m >1 0 0 0 0 <1 Usadium ppm ASTM D5185m >1 0 0 0 0 <1 Usadium ppm ASTM D5185m >1 0 0 0 0 0 <1 Usadium ppm ASTM D5185m >1 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m >2 0 0 0 0 0 0 Usadium ppm ASTM D5185m 0 0 0 0 0 0 0 Usadium ppm ASTM D5185m 0 0 0 0 0 0 0 Usadium ppm ASTM D5185m 0 0 0 0 0 0 0 0 Usadium ppm ASTM D5185m 0 0 0 0 0 0 0 0 0	· · · · · · · · · · · · · · · · · · ·	Iron	ppm	ASTM D5185m	>20	192	<u> </u>	161
Titanium		Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Silver		Nickel	ppm	ASTM D5185m	>10	<1	<1	6
Aluminum ppm ASTM D5185m >10 3 3 2		Titanium	ppm	ASTM D5185m		2	2	8
Lead		Silver	ppm	ASTM D5185m		0	<1	<1
Copper		Aluminum	ppm	ASTM D5185m	>10	3	3	2
Tin		Lead	ppm	ASTM D5185m	>10	7	7	16
Vanadium White Metal Yellow Metal Scalar Visual NONE NONE NONE NONE NONE MODE NONE CONTAMINATION Silicon ppm ASTM D5185m yellow Metal Scalar Visual NONE >20 A 339 A 365 A 774 > 365 A 774 Elemental level of silicon (Si) above normal indicating ingress of dir/seal material. Potassium ppm ASTM D5185m yellow NoNE NONE NONE NONE NONE NONE NONE NONE		Copper	ppm	ASTM D5185m	>75	2	<1	3
White Metal Yellow Metal Scalar Visual NONE NON		Tin	ppm	ASTM D5185m	>10	0	0	<1
Yellow Metal Scalar *Visual NONE NONE NONE NONE		Vanadium	ppm	ASTM D5185m		0	<1	2
Silicon ppm ASTM D5185m >20 ■ 339 ■ 365 ■ 774		White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Potassium ppm ASTM D5185m >20 6 5 7		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Potassium ppm ASTM D5185m >20 6 5 7	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	▲ 339	▲ 365	▲ 774
Water WC Method So.1 NEG NEG NEG	` ' /	Potassium	ppm	ASTM D5185m	>20	6	5	7
Debris Scalar *Visual NONE NONE NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NORML NOR		Water		WC Method	>0.1	NEG	NEG	NEG
Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NOR		Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance Scalar *Visual NORML NORML		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NEG NEG		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG		Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sodium ppm ASTM D5185m 26 19 31		Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Boron ppm ASTM D5185m 6 56 53 157		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Barium ppm ASTM D5185m 0 0 0 0 0 0 0 0 0	FLUID CONDITION	Sodium	ppm	ASTM D5185m		26	19	31
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 94 100 261 Manganese ppm ASTM D5185m 2 2 3 Magnesium ppm ASTM D5185m 145 164 230 534 Calcium ppm ASTM D5185m 3570 2845 2781 1291 Phosphorus ppm ASTM D5185m 1290 916 988 741 Zinc ppm ASTM D5185m 1640 1075 1169 791 Sulfur ppm ASTM D5185m 3296 3392 2702	The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	6	56	53	157
Manganese ppm ASTM D5185m 2 2 3 Magnesium ppm ASTM D5185m 145 164 230 534 Calcium ppm ASTM D5185m 3570 2845 2781 1291 Phosphorus ppm ASTM D5185m 1290 916 988 741 Zinc ppm ASTM D5185m 1640 1075 1169 791 Sulfur ppm ASTM D5185m 3296 3392 2702		Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 145 164 230 534 Calcium ppm ASTM D5185m 3570 2845 2781 1291 Phosphorus ppm ASTM D5185m 1290 916 988 741 Zinc ppm ASTM D5185m 1640 1075 1169 791 Sulfur ppm ASTM D5185m 3296 3392 2702		Molybdenum	ppm	ASTM D5185m	0	94	100	261
Calcium ppm ASTM D5185m 3570 2845 2781 1291 Phosphorus ppm ASTM D5185m 1290 916 988 741 Zinc ppm ASTM D5185m 1640 1075 1169 791 Sulfur ppm ASTM D5185m 3296 3392 2702		Manganese	ppm	ASTM D5185m		2	2	3
Phosphorus ppm ASTM D5185m 1290 916 988 741 Zinc ppm ASTM D5185m 1640 1075 1169 791 Sulfur ppm ASTM D5185m 3296 3392 2702		Magnesium	ppm	ASTM D5185m	145	164	230	534
Zinc ppm ASTM D5185m 1640 1075 1169 791 Sulfur ppm ASTM D5185m 3296 3392 2702		Calcium	ppm	ASTM D5185m	3570	2845	2781	1291
Sulfur ppm ASTM D5185m 3296 3392 2702		Phosphorus	ppm	ASTM D5185m	1290	916	988	741
		Zinc	ppm	ASTM D5185m	1640	1075	1169	791
Visc @ 40°C cSt ASTM D445 57.0 50.0 50.7 46.9		Sulfur	ppm	ASTM D5185m		3296	3392	2702
		Visc @ 40°C	cSt	ASTM D445	57.0	50.0	50.7	46.9





Laboratory Sample No.

Lab Number : 06176347 Unique Number : 11022400

: LEC0048757

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

Diagnosed Test Package : CONST (Additional Tests: PQ)

: 13 May 2024 : 14 May 2024 - Sean Felton

: 10 May 2024

105 TENNIS CENTER DR. MARIETTA, OH US 45750-9765

Contact: LEANNE KENDALL KendalLeanne@lec1.com

LESLIE EQUIPMENT COMPANY

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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)

F: (740)373-5570