



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 624K 1DW624KPPB0636481
Component
Front Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (6 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0038143	LEC0029097	LEC0024604
Sample Date		Client Info		26 Jul 2023	07 Apr 2022	24 Aug 2021
Machine Age	hrs	Client Info		17447	15192	14334
Oil Age	hrs	Client Info		2255	858	14334
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		19	115	101
Iron	ppm	ASTM D5185m	>750	141	704	1516
Chromium	ppm	ASTM D5185m	>11	<1	3	6
Nickel	ppm	ASTM D5185m	>10	0	2	5
Titanium	ppm	ASTM D5185m		<1	2	2
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>21	2	4	6
Lead	ppm	ASTM D5185m	>49	0	1	3
Copper	ppm	ASTM D5185m	>101	4	12	28
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

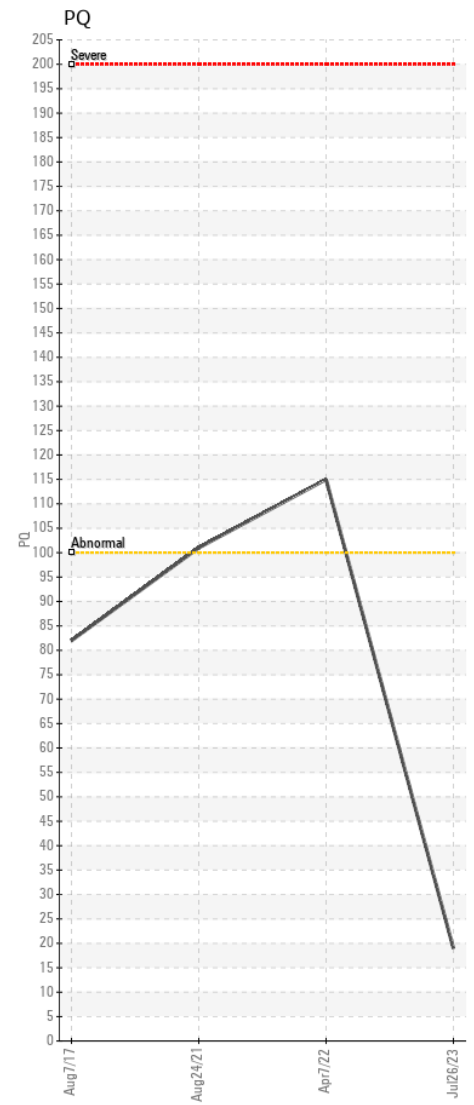
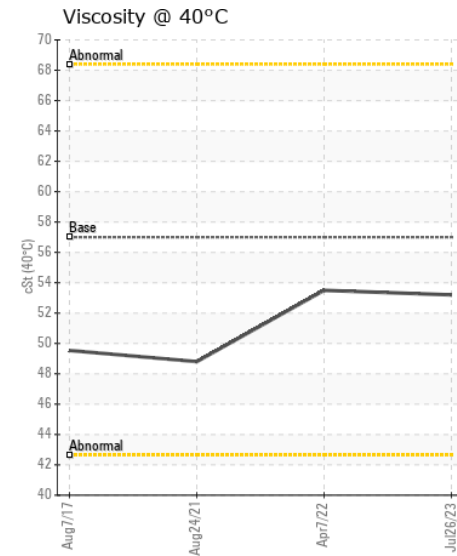
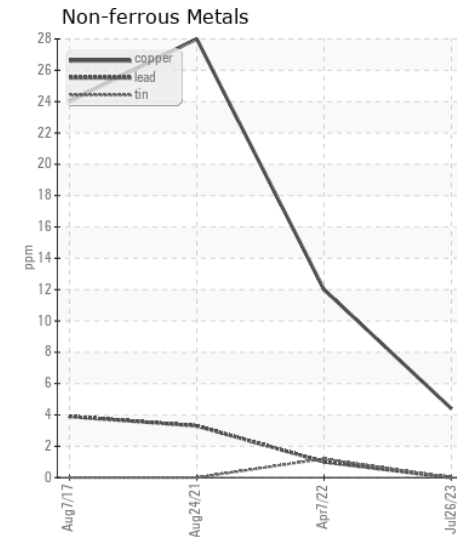
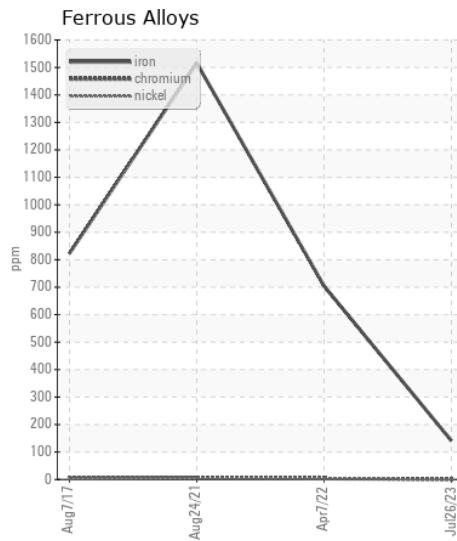
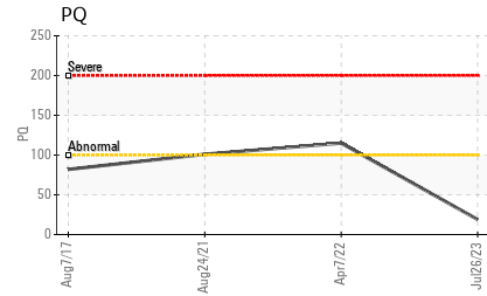
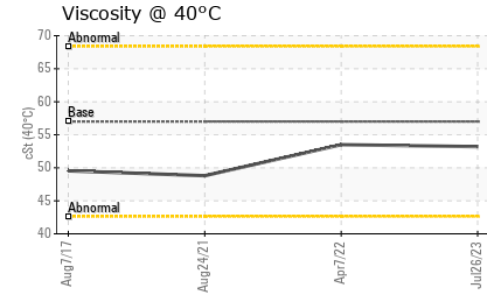
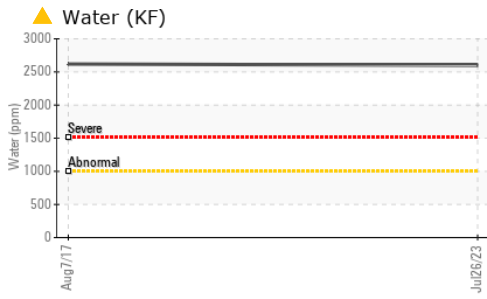
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>31	13	41	64
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.1	▲ 0.260	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2600	---	---
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
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	1	4	14
Boron	ppm	ASTM D5185m	6	6	0	13
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	14	51
Manganese	ppm	ASTM D5185m		1	5	12
Magnesium	ppm	ASTM D5185m	145	99	110	97
Calcium	ppm	ASTM D5185m	3570	3238	3529	3624
Phosphorus	ppm	ASTM D5185m	1290	976	988	1102
Zinc	ppm	ASTM D5185m	1640	1124	1031	1018
Sulfur	ppm	ASTM D5185m		4320	2987	3188
Visc @ 40°C	cSt	ASTM D445	57.0	53.2	53.5	48.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0038143 **Received** : 08 Sep 2023
Lab Number : 05945990 **Tested** : 11 Sep 2023
Unique Number : 10641949 **Diagnosed** : 12 Sep 2023 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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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