



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO# 153165]
Machine Id
JOHN DEERE 624L 1DW624LZTKF694098
Component
Front Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051538	LEC0038873	LEC0028615
Sample Date		Client Info		10 Jul 2024	09 Feb 2023	09 May 2022
Machine Age	hrs	Client Info		5785	3998	3354
Oil Age	hrs	Client Info		1787	1505	861
Filter Age	hrs	Client Info		2431	0	861
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	None	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		42	31	17
Iron	ppm	ASTM D5185m	>750	245	99	11
Chromium	ppm	ASTM D5185m	>11	2	<1	0
Nickel	ppm	ASTM D5185m	>10	1	<1	0
Titanium	ppm	ASTM D5185m		1	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>21	3	1	1
Lead	ppm	ASTM D5185m	>49	3	3	<1
Copper	ppm	ASTM D5185m	>101	14	9	<1
Tin	ppm	ASTM D5185m	>10	1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

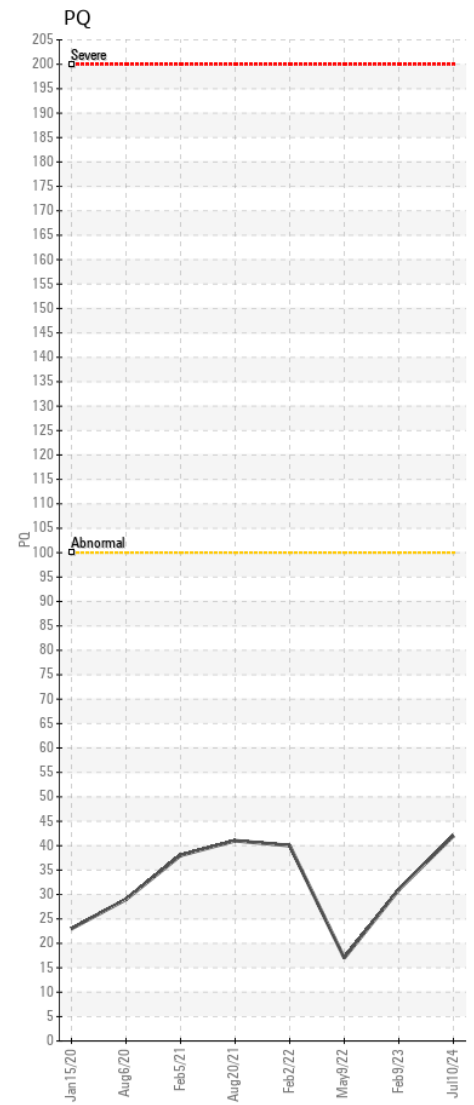
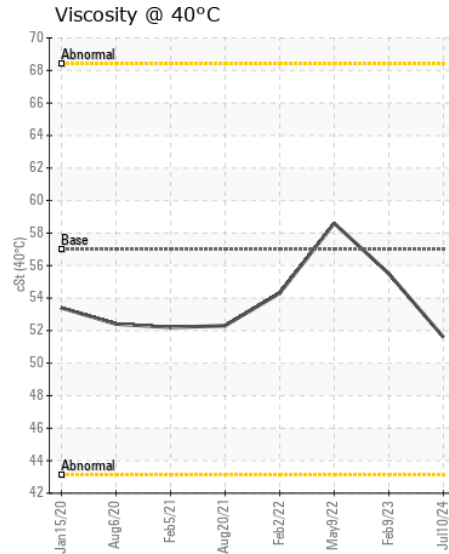
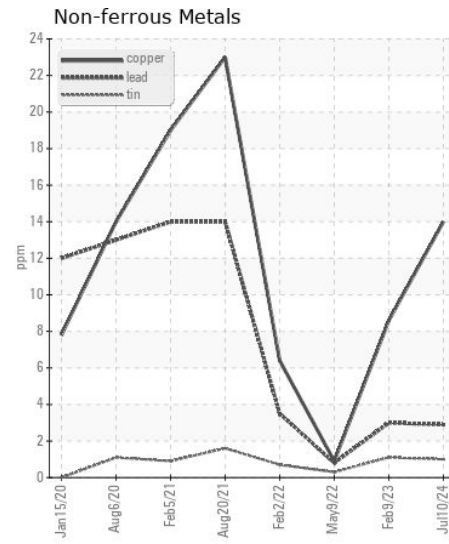
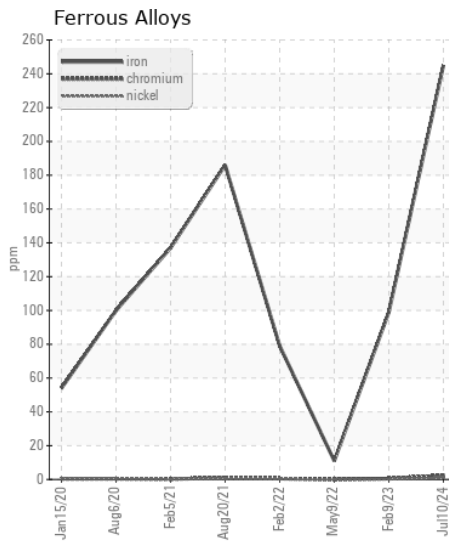
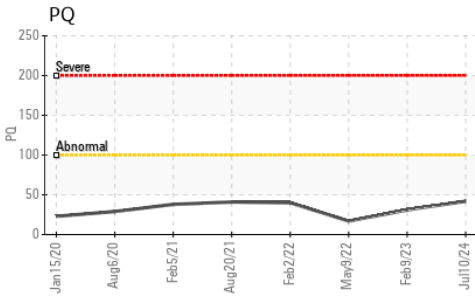
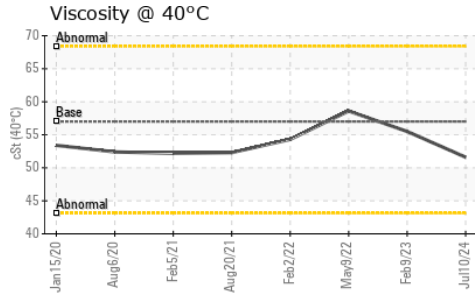
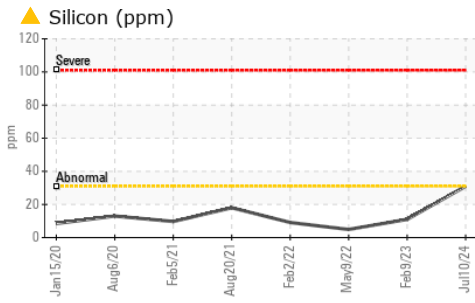
Elemental level of silicon (Si) above normal.

Silicon	ppm	ASTM D5185m	>31	▲ 31	11	5
Potassium	ppm	ASTM D5185m	>20	4	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	3	<1
Boron	ppm	ASTM D5185m	6	4	2	6
Barium	ppm	ASTM D5185m	0	2	<1	0
Molybdenum	ppm	ASTM D5185m	0	4	3	4
Manganese	ppm	ASTM D5185m		4	2	<1
Magnesium	ppm	ASTM D5185m	145	100	101	117
Calcium	ppm	ASTM D5185m	3570	3369	3307	3508
Phosphorus	ppm	ASTM D5185m	1290	894	940	1021
Zinc	ppm	ASTM D5185m	1640	1217	1180	1221
Sulfur	ppm	ASTM D5185m		4161	3886	3168
Visc @ 40°C	cSt	ASTM D445	57.0	51.6	55.5	58.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051538 **Received** : 17 Jul 2024
Lab Number : 06239388 **Tested** : 18 Jul 2024
Unique Number : 11128222 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: 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)

T:
 F: (740)373-5570