



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 544L 1DW544LZVKF695734
Component
Brake
Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 Oz)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0029176	LEC0026631	LEC0021125
Sample Date		Client Info		21 Apr 2022	26 Jan 2022	04 May 2021
Machine Age	hrs	Client Info		4948	4471	3421
Oil Age	hrs	Client Info		1527	1050	3421
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		35	44	76
Iron	ppm	ASTM D5185m	>350	54	107	244
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		3	7	28
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>8	2	<1	0
Lead	ppm	ASTM D5185m	>10	1	2	5
Copper	ppm	ASTM D5185m	>150	<1	2	5
Tin	ppm	ASTM D5185m	>5	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	LIGHT	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

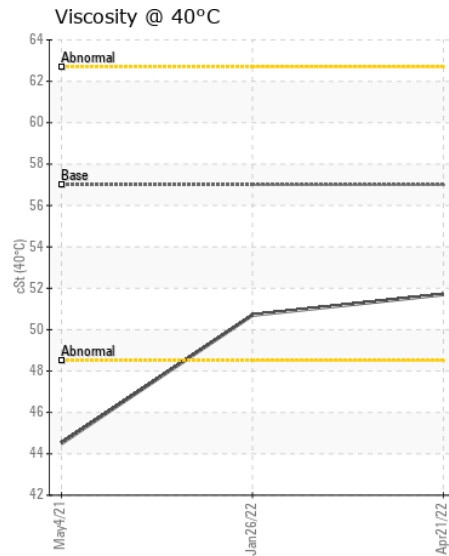
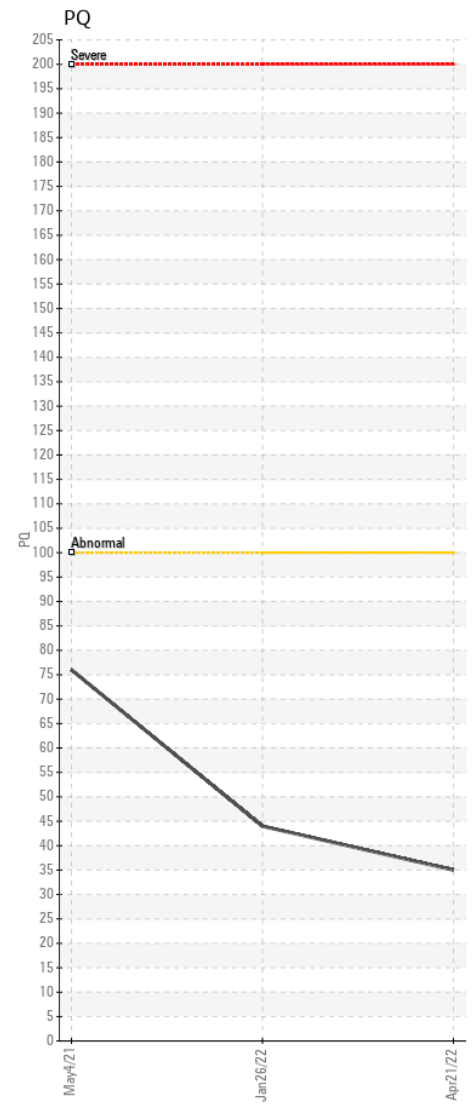
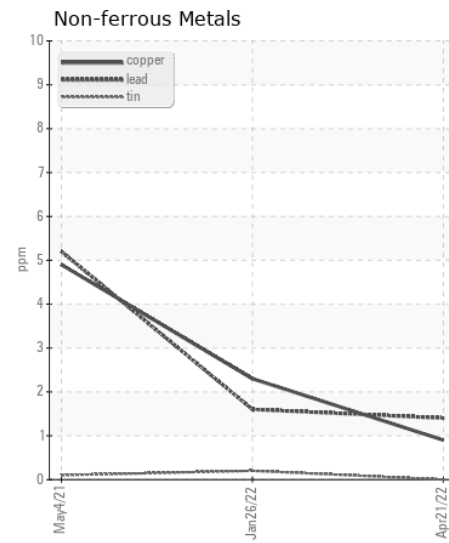
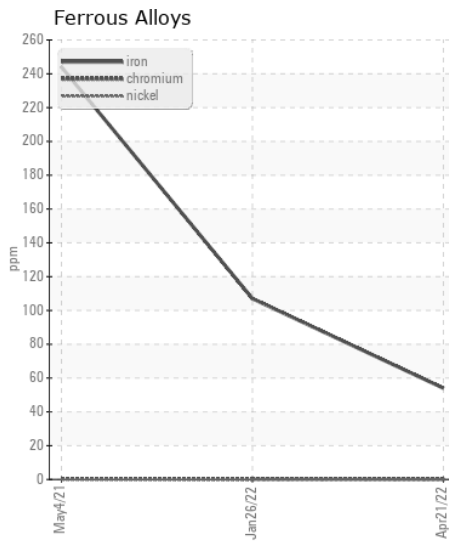
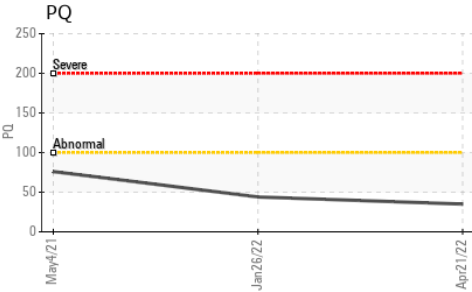
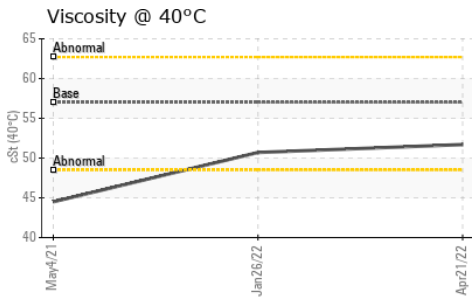
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	69	116	354
Potassium	ppm	ASTM D5185m	>20	<1	3	3
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		11	18	35
Boron	ppm	ASTM D5185m	6	34	71	212
Barium	ppm	ASTM D5185m	0	<1	5	5
Molybdenum	ppm	ASTM D5185m	0	13	25	51
Manganese	ppm	ASTM D5185m		<1	2	4
Magnesium	ppm	ASTM D5185m	145	158	252	718
Calcium	ppm	ASTM D5185m	3570	3244	2951	1386
Phosphorus	ppm	ASTM D5185m	1290	951	967	758
Zinc	ppm	ASTM D5185m	1640	1115	1070	783
Sulfur	ppm	ASTM D5185m		2909	3313	2678
Visc @ 40°C	cSt	ASTM D445	57.0	51.7	50.7	44.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0029176 **Received** : 04 May 2022
Lab Number : 05536587 **Tested** : 05 May 2022
Unique Number : 9960876 **Diagnosed** : 05 May 2022 - 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
 T:
 F: (740)373-5570

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)