



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 850K 1T0850KXCDE246953
Component
Transmission
Fluid
JOHN DEERE HYDRAU (28 GAL)

RECOMMENDATION

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		LEC0046081	LEC0014007	LECP157921
Sample Date		Client Info		05 Jan 2024	06 Aug 2020	20 Jul 2015
Machine Age	hrs	Client Info		7289	5933	867
Oil Age	hrs	Client Info		6789	5933	867
Filter Age	hrs	Client Info		500	2000	867
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

Clutch and/or bushing/bearing wear is indicated.

PQ		ASTM D8184	>100	14	17	15.0
Iron	ppm	ASTM D5185m	>61	18	17	4
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		2	2	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	<1
Lead	ppm	ASTM D5185m	>9	▲ 19	▲ 17	4
Copper	ppm	ASTM D5185m	>100	▲ 132	▲ 105	3
Tin	ppm	ASTM D5185m	>3	▲ 6	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

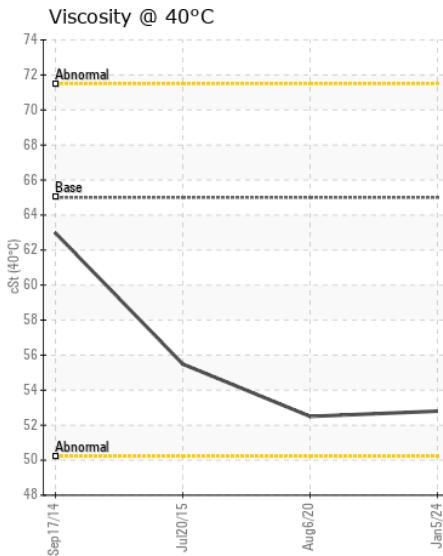
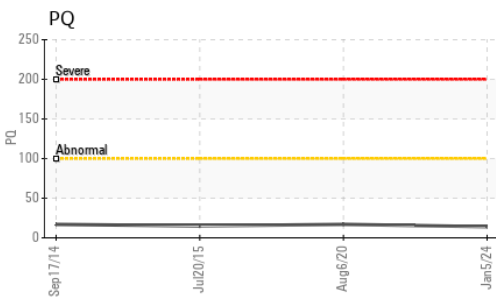
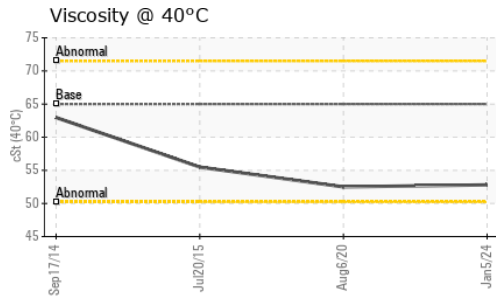
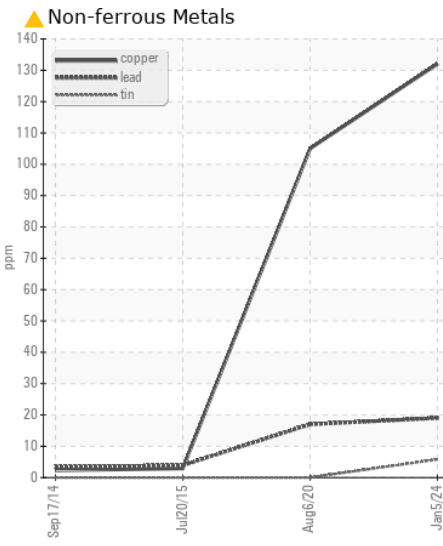
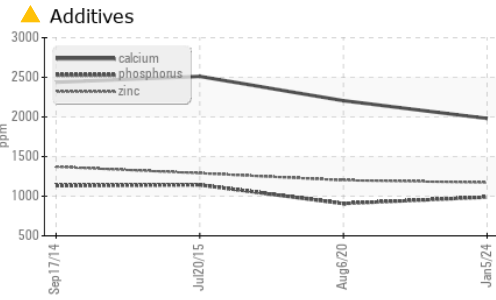
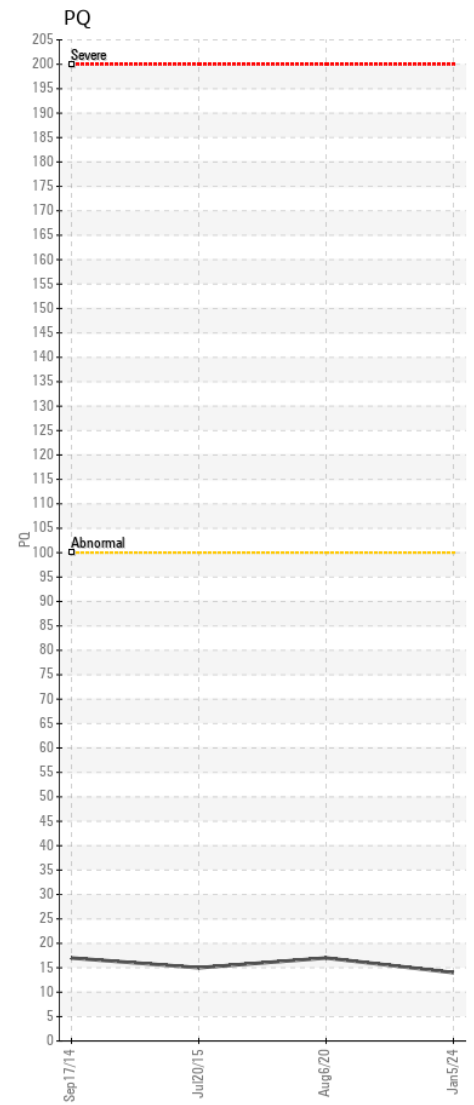
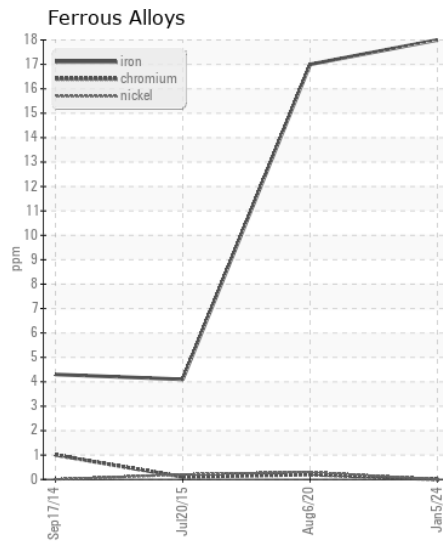
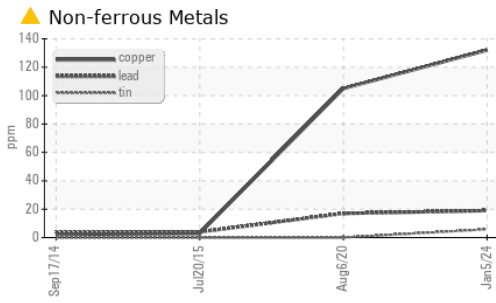
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	5	7	5
Potassium	ppm	ASTM D5185m	>20	7	13	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type. The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	1	2	<1
Boron	ppm	ASTM D5185m		▲ 64	68	11
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		13	10	3
Manganese	ppm	ASTM D5185m		1	2	<1
Magnesium	ppm	ASTM D5185m		▲ 248	260	295
Calcium	ppm	ASTM D5185m	87	▲ 1981	2205	2512
Phosphorus	ppm	ASTM D5185m	727	▲ 988	907	1143
Zinc	ppm	ASTM D5185m	900	▲ 1171	1201	1290
Sulfur	ppm	ASTM D5185m	1500	▲ 3165	2714	5550
Visc @ 40°C	cSt	ASTM D445	65	52.8	▲ 52.5	55.49



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046081 **Received** : 10 Jan 2024
Lab Number : 06056891 **Diagnosed** : 11 Jan 2024
Unique Number : 10822840 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com
 T:
 F: (740)373-5570