



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



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. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0014007	LECP157921	LECP143793
Sample Date		Client Info		06 Aug 2020	20 Jul 2015	17 Sep 2014
Machine Age	hrs	Client Info		5933	867	532
Oil Age	hrs	Client Info		5933	867	532
Filter Age	hrs	Client Info		2000	867	532
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Clutch and/or bushing/bearing wear is indicated.

PQ		ASTM D8184	>100	17	15.0	17.0
Iron	ppm	ASTM D5185m	>61	17	4	4
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		2	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	4
Lead	ppm	ASTM D5185m	>9	▲ 17	4	3
Copper	ppm	ASTM D5185m	>100	▲ 105	3	2
Tin	ppm	ASTM D5185m	>3	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	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.

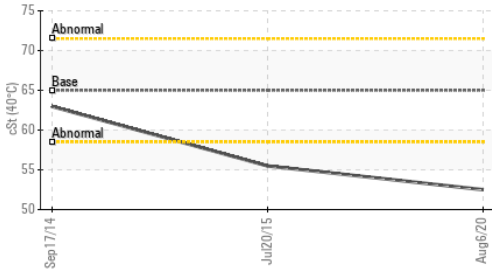
Silicon	ppm	ASTM D5185m	>21	7	5	8
Potassium	ppm	ASTM D5185m	>20	13	2	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

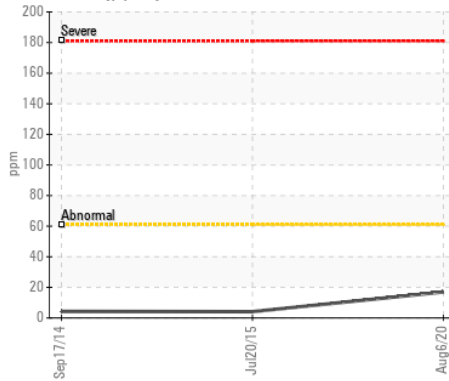
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	2	<1	2
Boron	ppm	ASTM D5185m		68	11	18
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		10	3	9
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m		260	295	308
Calcium	ppm	ASTM D5185m	87	2205	2512	2438
Phosphorus	ppm	ASTM D5185m	727	907	1143	1133
Zinc	ppm	ASTM D5185m	900	1201	1290	1371
Sulfur	ppm	ASTM D5185m	1500	2714	5550	809
Visc @ 40°C	cSt	ASTM D445	65	▲ 52.5	55.49	62.97

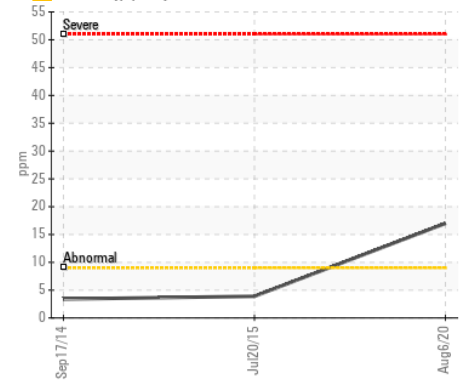
▲ Viscosity @ 40°C



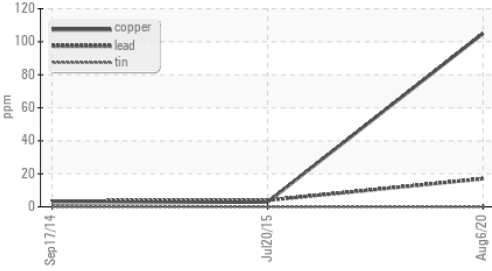
Iron (ppm)



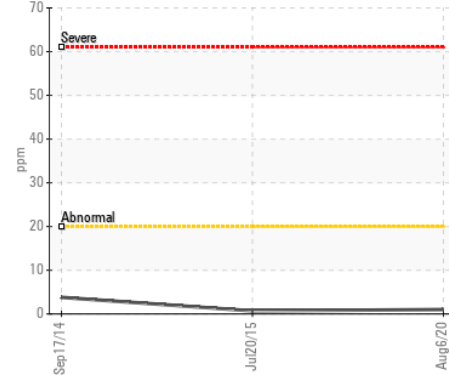
▲ Lead (ppm)



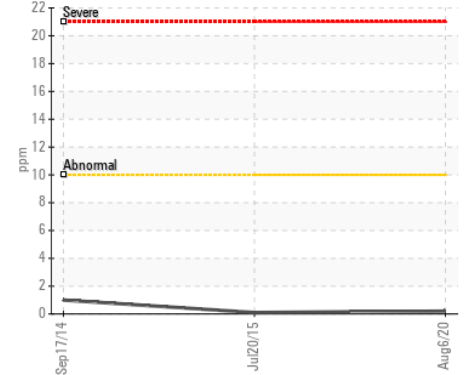
▲ Non-ferrous Metals



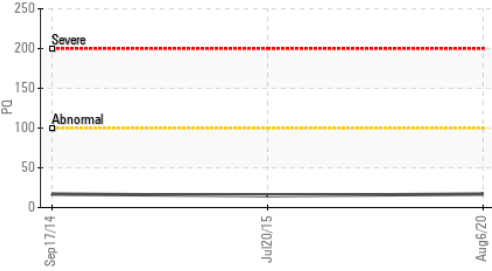
Aluminum (ppm)



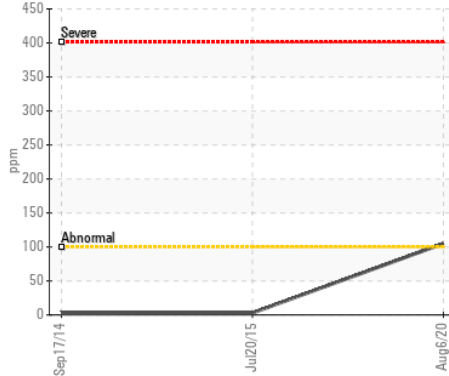
Chromium (ppm)



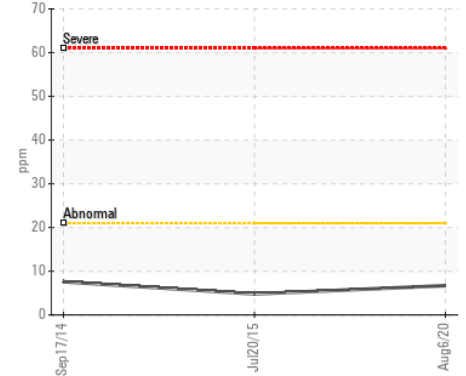
PQ



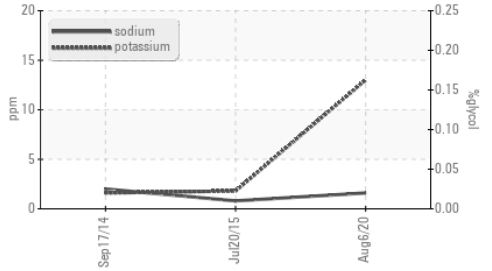
▲ Copper (ppm)



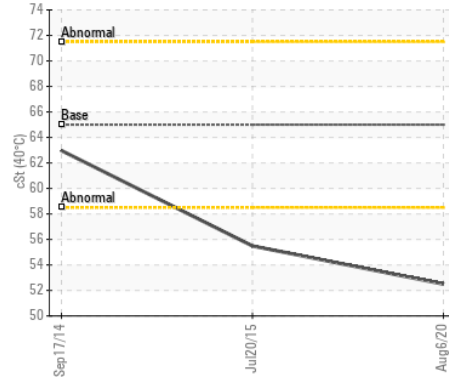
Silicon (ppm)



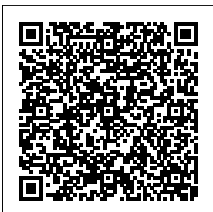
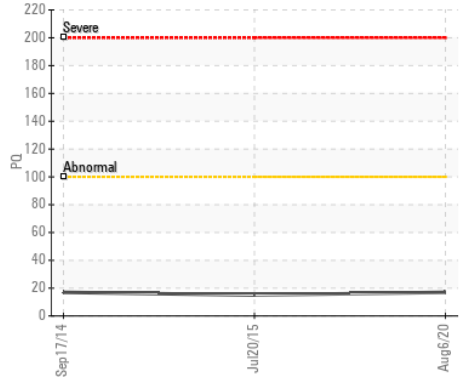
Glycol Contamination



▲ Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0014007 **Received** : 10 Aug 2020
Lab Number : 05040238 **Diagnosed** : 08 Jan 2024
Unique Number : 9130408 **Diagnostician** : Doug Bogart
Test Package : MOBCE (Additional Tests: Glycol, PQ)

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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)