



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 3 - Norton
Machine Id
JOHN DEERE 750K 1T0750KXLFF288639
Component
Transmission
Fluid
JOHN DEERE HYDRAU (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update of oil type. (Customer Sample Comment: POSSIBLE HYDROSTATIC PUMP FAILURE)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047388	LEC0006314	LECP178188
Sample Date		Client Info		19 Apr 2024	24 Aug 2019	19 Apr 2018
Machine Age	hrs	Client Info		5220	1895	1264
Oil Age	hrs	Client Info		1220	1895	1264
Filter Age	hrs	Client Info		1220	1895	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal. The wear metal levels do not reflect the suspected failure.

PQ		ASTM D8184	>100	15	20	22
Iron	ppm	ASTM D5185m	>61	12	18	17
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>9	<1	2	<1
Copper	ppm	ASTM D5185m	>100	6	7	6
Tin	ppm	ASTM D5185m	>3	0	0	<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

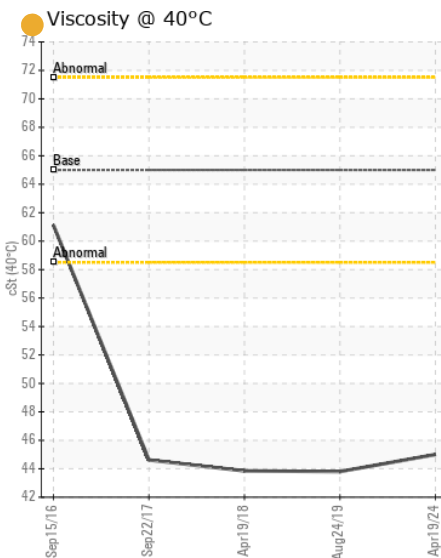
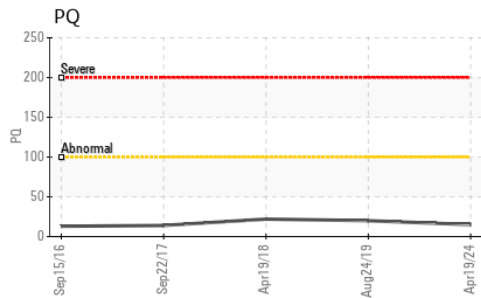
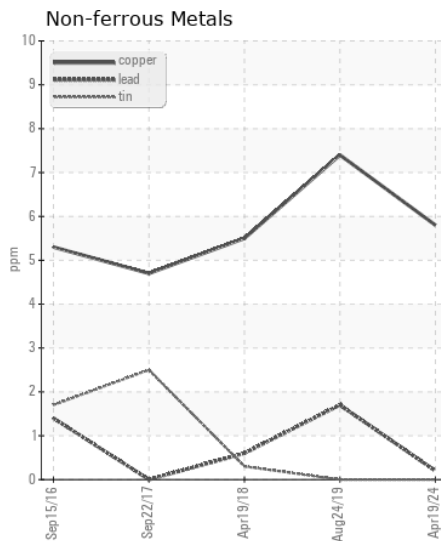
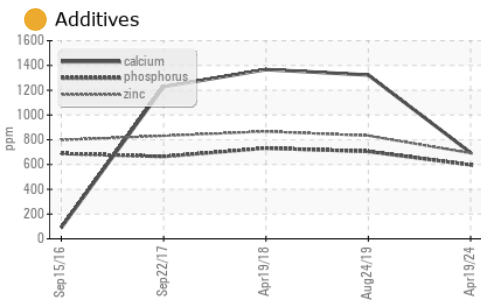
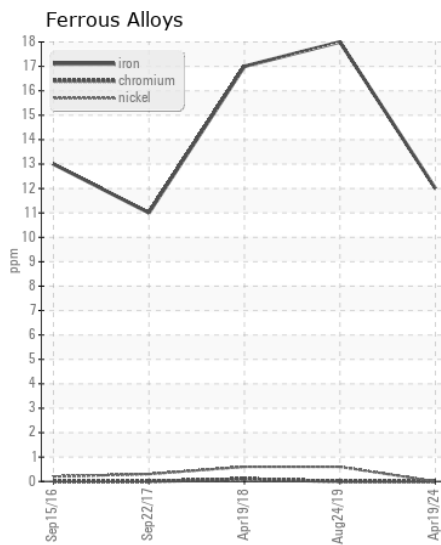
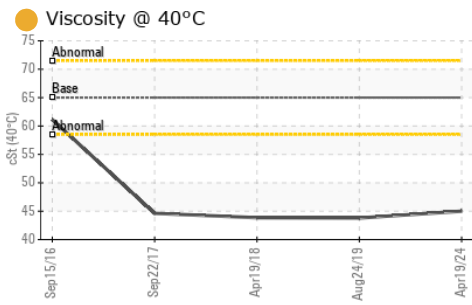
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	2	6	6
Potassium	ppm	ASTM D5185m	>20	3	2	2
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. The condition of the fluid is acceptable for the time in service. Confirm oil type.

Sodium	ppm	ASTM D5185m	>30	2	3	2
Boron	ppm	ASTM D5185m		3	11	2
Barium	ppm	ASTM D5185m		0	<1	<1
Molybdenum	ppm	ASTM D5185m		13	32	34
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		6	5	6
Calcium	ppm	ASTM D5185m	87	695	1323	1367
Phosphorus	ppm	ASTM D5185m	727	597	706	732
Zinc	ppm	ASTM D5185m	900	692	833	867
Sulfur	ppm	ASTM D5185m	1500	2652	2040	1887
Visc @ 40°C	cSt	ASTM D445	65	45.0	43.8	43.85



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047388 **Received** : 22 Apr 2024
Lab Number : 06156211 **Tested** : 29 Apr 2024
Unique Number : 10991634 **Diagnosed** : 29 Apr 2024 - Doug Bogart
Test Package : CONST (Additional Tests: PQ, PrtCount)

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)