



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 750K 1T0750KXLFF288639
Component
Right Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

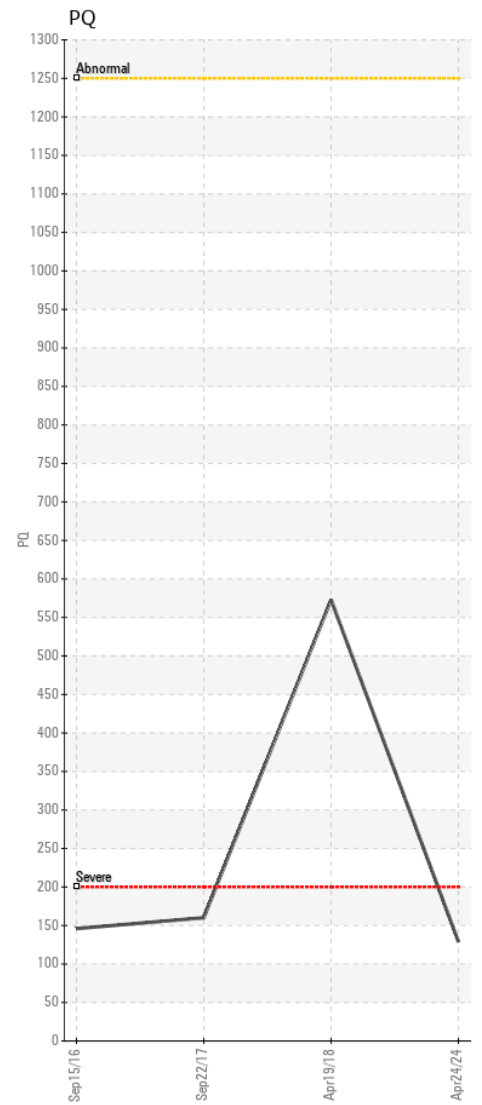
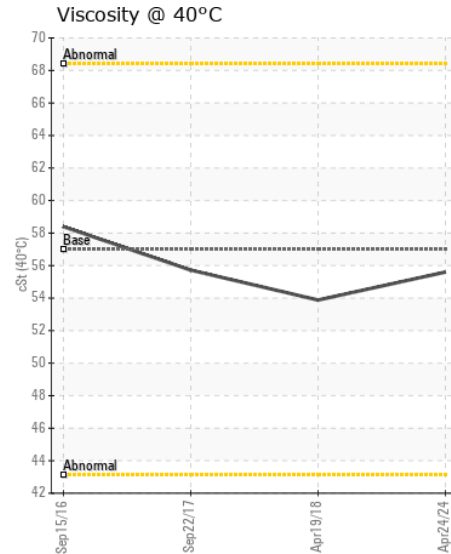
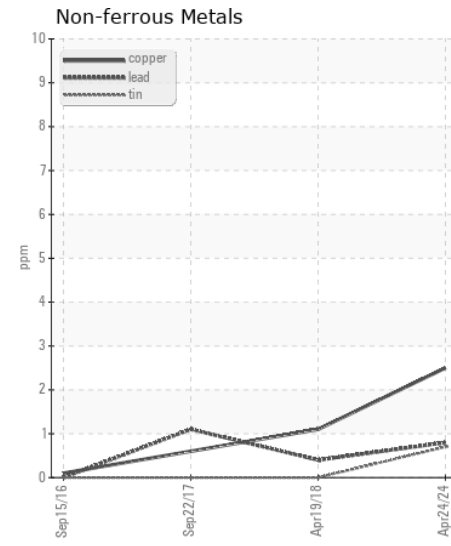
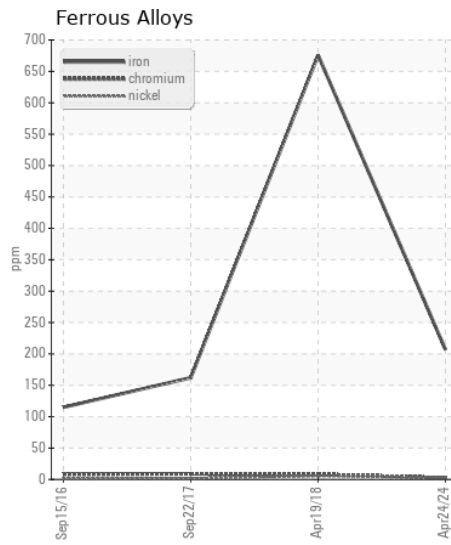
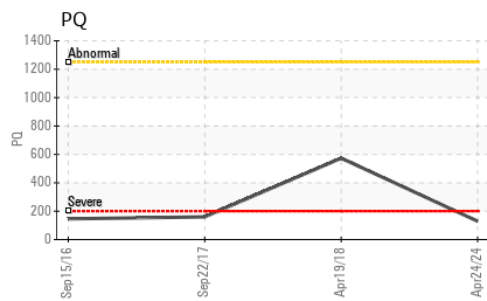
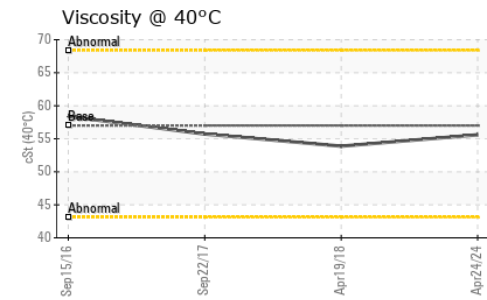
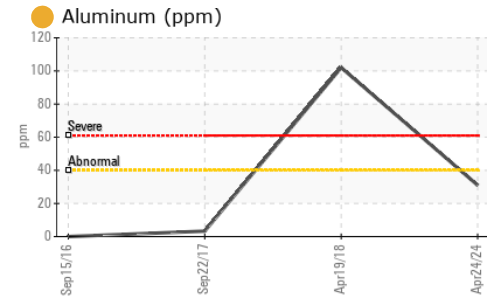
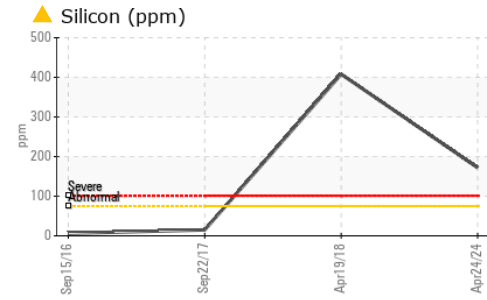
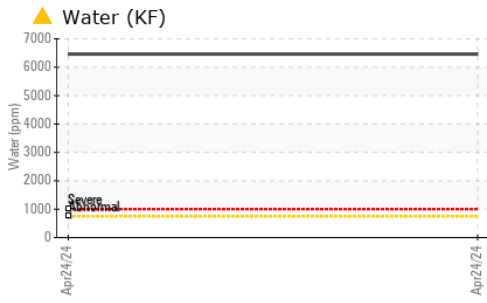
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047390	LECP182051	LECP180401
Sample Date		Client Info		24 Apr 2024	19 Apr 2018	22 Sep 2017
Machine Age	hrs	Client Info		3422	1264	885
Oil Age	hrs	Client Info		475	379	885
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL
PQ		ASTM D8184	>1250	129	573	160
Iron	ppm	ASTM D5185m	>750	207	676	162
Chromium	ppm	ASTM D5185m	>9	2	8	9
Nickel	ppm	ASTM D5185m	>10	4	5	2
Titanium	ppm	ASTM D5185m		3	7	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	31	102	3
Lead	ppm	ASTM D5185m	>15	<1	<1	1
Copper	ppm	ASTM D5185m	>40	2	1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	HEAVY	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 172	▲ 408	15
Potassium	ppm	ASTM D5185m	>20	12	33	<1
Water	%	ASTM D6304	>0.075	▲ 0.646	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 6460	---	---
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	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	0	5	9
Boron	ppm	ASTM D5185m	6	<1	15	14
Barium	ppm	ASTM D5185m	0	3	<1	0
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m		2	7	4
Magnesium	ppm	ASTM D5185m	145	4	34	89
Calcium	ppm	ASTM D5185m	3570	1526	3138	3456
Phosphorus	ppm	ASTM D5185m	1290	979	968	1053
Zinc	ppm	ASTM D5185m	1640	1069	1116	1307
Sulfur	ppm	ASTM D5185m		3540	3055	4364
Visc @ 40°C	cSt	ASTM D445	57.0	55.6	53.88	55.72



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047390 **Received** : 26 Apr 2024
Lab Number : 06161756 **Tested** : 30 Apr 2024
Unique Number : 10997179 **Diagnosed** : 30 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, 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