



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 750K D14 (S/N 1T0750KXCJF329221)
Component
Transmission
Fluid
JOHN DEERE HYDRAU (30 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		LEC0049317	LEC0040107	LEC0014507
Sample Date		Client Info		14 Jun 2024	10 Apr 2023	29 Sep 2020
Machine Age	hrs	Client Info		4797	3942	1981
Oil Age	hrs	Client Info		4797	3942	1981
Filter Age	hrs	Client Info		1000	1000	1000
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

The chromium level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>100	20	16	16
Iron	ppm	ASTM D5185m	>61	22	35	12
Chromium	ppm	ASTM D5185m	>10	▲ 14	<1	6
Nickel	ppm	ASTM D5185m		0	1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	8	0	3
Lead	ppm	ASTM D5185m	>9	0	1	0
Copper	ppm	ASTM D5185m	>100	6	16	6
Tin	ppm	ASTM D5185m	>3	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

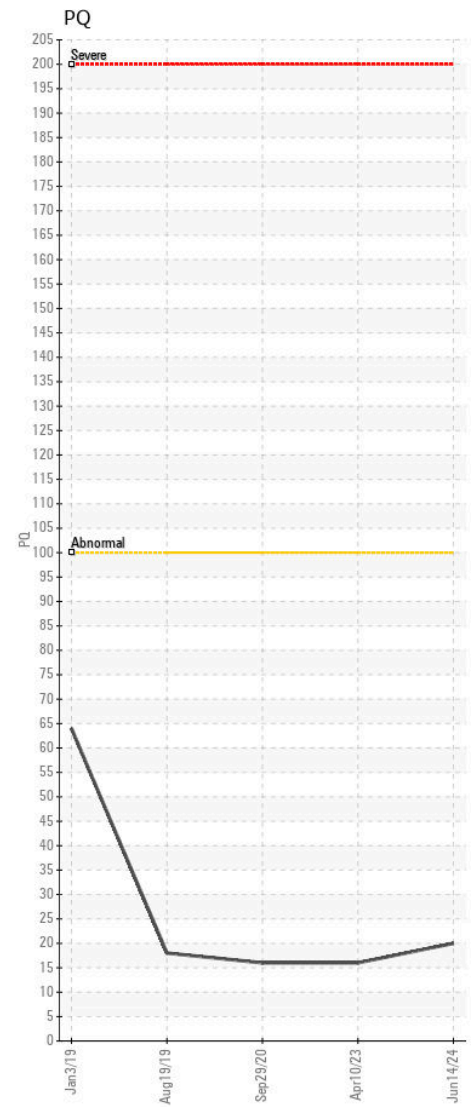
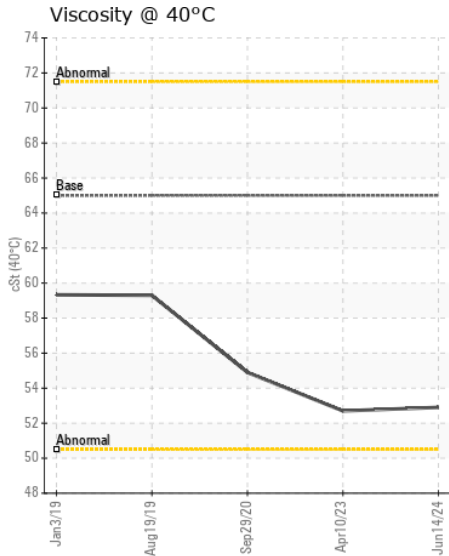
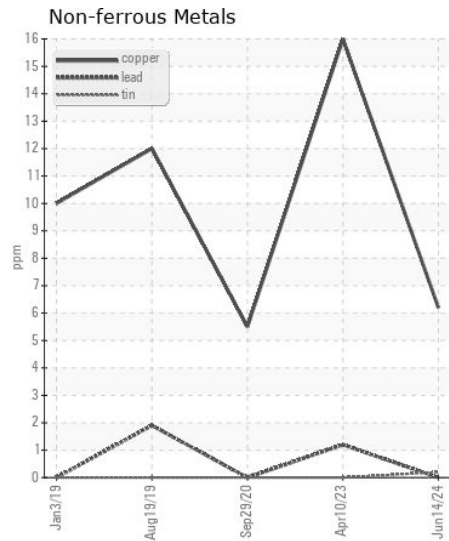
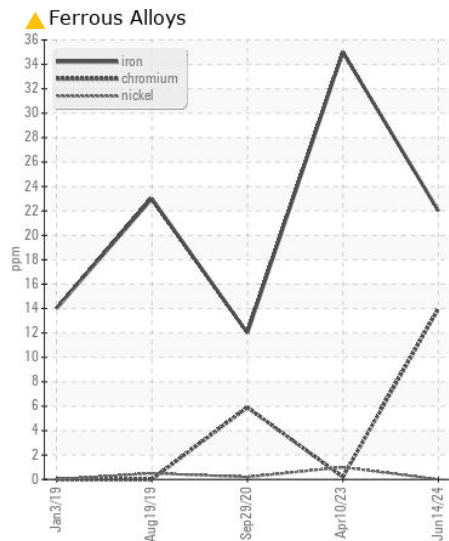
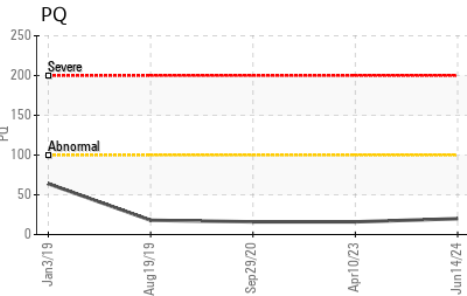
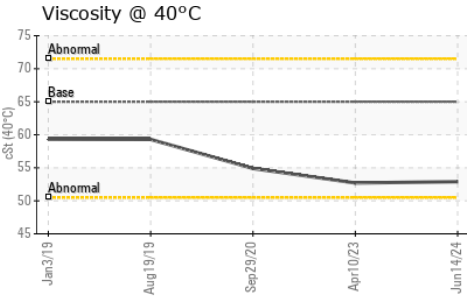
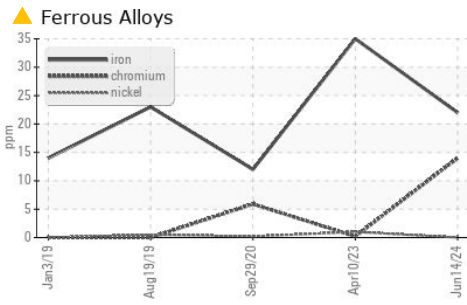
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	6	2	3
Potassium	ppm	ASTM D5185m	>20	2	<1	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	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	2	<1	<1
Boron	ppm	ASTM D5185m		4	0	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		11	5	8
Calcium	ppm	ASTM D5185m	87	165	217	99
Phosphorus	ppm	ASTM D5185m	727	568	600	529
Zinc	ppm	ASTM D5185m	900	741	842	688
Sulfur	ppm	ASTM D5185m	1500	2117	1721	1321
Visc @ 40°C	cSt	ASTM D445	65	52.9	52.7	54.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049317 **Received** : 03 Jul 2024
Lab Number : 06227702 **Tested** : 05 Jul 2024
Unique Number : 11111195 **Diagnosed** : 06 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 BRIDGEPORT, WV
 US 26330
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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)