CONST

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 3 - Norton
Machine Id
JOHN DEERE 750K D14 (S/N 1T0750KXCJF329221)
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (30 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

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

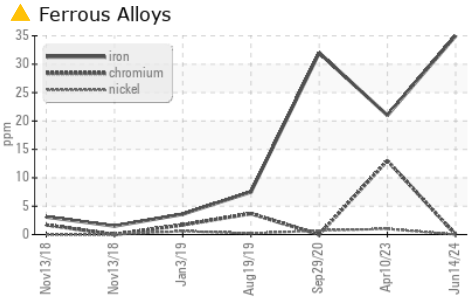
CONTAMINATION

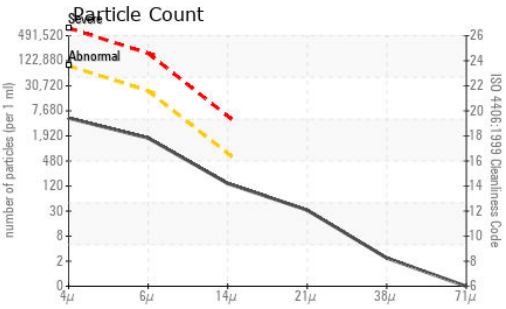
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

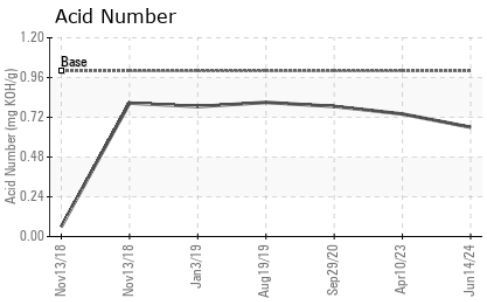
FLUID CONDITION

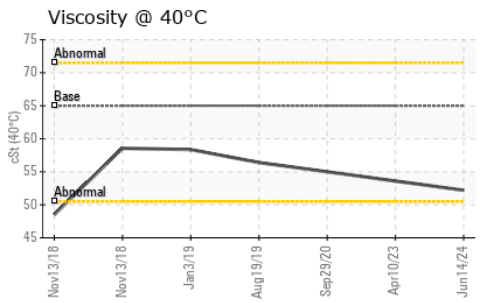
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

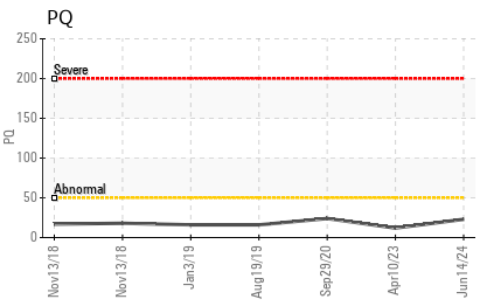
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049301	LEC0040102	LEC0014506
Sample Date		Client Info		14 Jun 2024	10 Apr 2023	29 Sep 2020
Machine Age	hrs	Client Info		4797	3942	1981
Oil Age	hrs	Client Info		4797	3942	1981
Filter Age	hrs	Client Info		1000	1000	1000
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>50	23	12	24
Iron	ppm	ASTM D5185m	>23	▲ 35	21	▲ 32
Chromium	ppm	ASTM D5185m	>9	0	▲ 13	0
Nickel	ppm	ASTM D5185m	>5	0	1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>9	<1	6	<1
Lead	ppm	ASTM D5185m	>28	0	1	1
Copper	ppm	ASTM D5185m	>51	17	6	15
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	1	5	2
Potassium	ppm	ASTM D5185m	>20	<1	3	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	4488	23638	● 86106
Particles >6µm		ASTM D7647	>20000	1492	1281	● 29780
Particles >14µm		ASTM D7647	>640	122	34	● 1293
Particles >21µm		ASTM D7647	>160	28	6	● 180
Particles >38µm		ASTM D7647	>40	2	0	4
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	19/18/14	22/17/12	● 24/22/17
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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
Sodium	ppm	ASTM D5185m	>21	1	4	<1
Boron	ppm	ASTM D5185m		0	1	2
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	2	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	9	<1
Calcium	ppm	ASTM D5185m	87	192	128	92
Phosphorus	ppm	ASTM D5185m	727	611	555	581
Zinc	ppm	ASTM D5185m	900	799	753	786
Sulfur	ppm	ASTM D5185m	1500	1888	2018	1368
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.66	0.74	0.786
Visc @ 40°C	cSt	ASTM D445	65	52.2	53.6	55.0

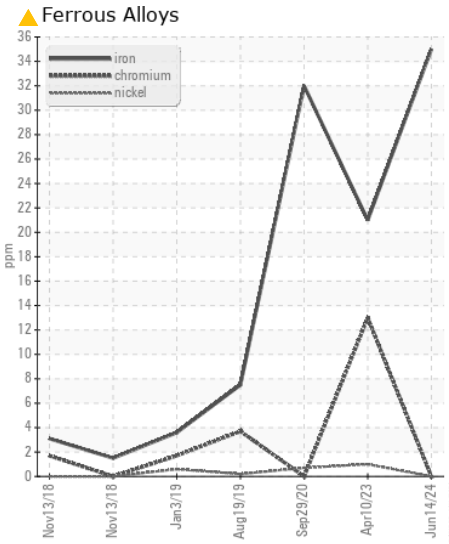


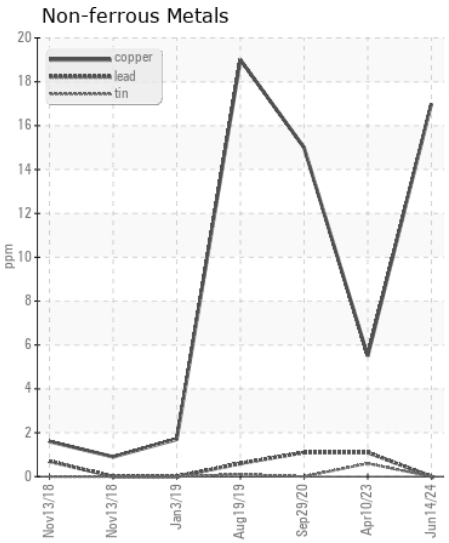


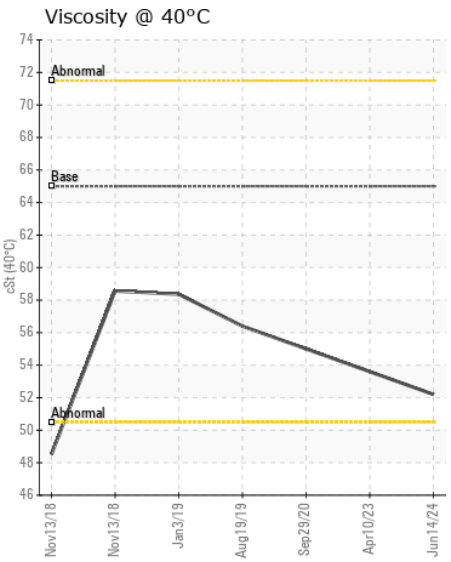


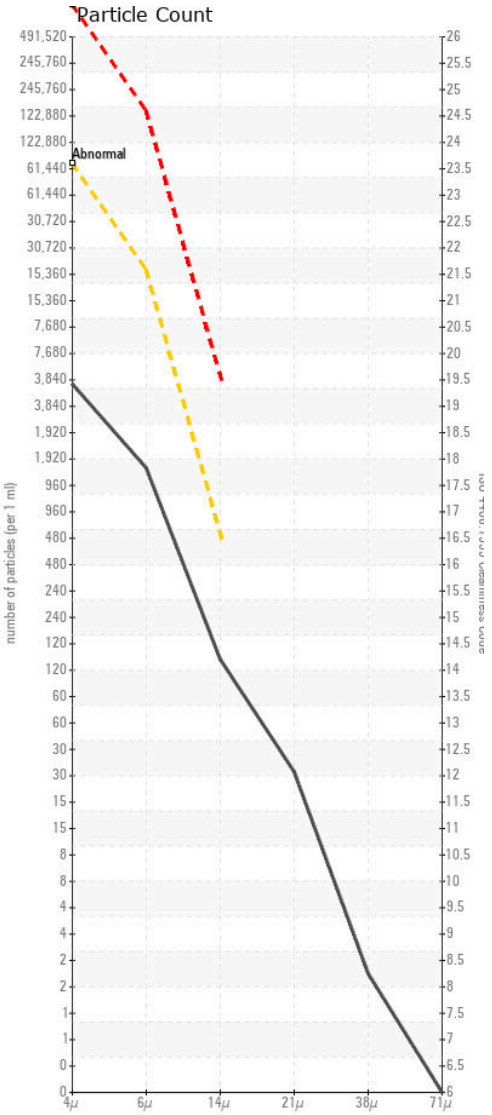


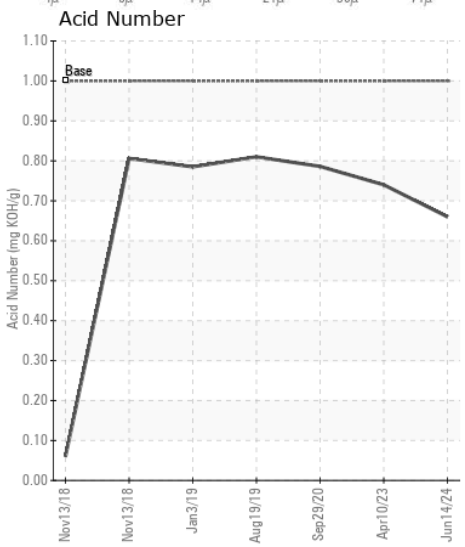












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049301 **Received** : 03 Jul 2024
Lab Number : 06227314 **Tested** : 06 Jul 2024
Unique Number : 11110807 **Diagnosed** : 06 Jul 2024 - Don Baldridge
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)

LANE PIPELINE
2946 E MAIN ST
BRIDGEPORT, WV
US 26330
Contact: JESSE WILBURN
jesseowilburn@gmail.com
T: (740)440-0927
F: