



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area
Store 8 - Pikeville
Machine Id
John Deere 1T0850KXTJF337146
Component
Left 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. 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.

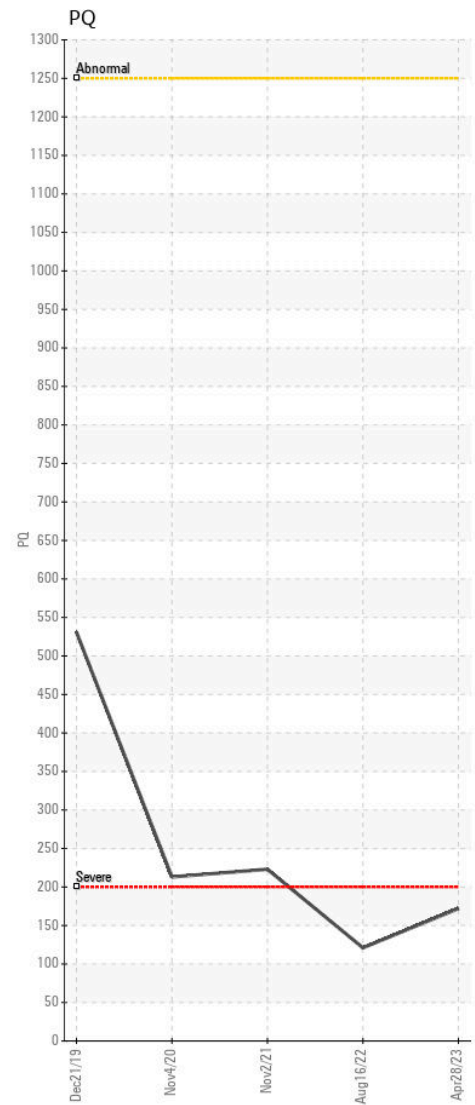
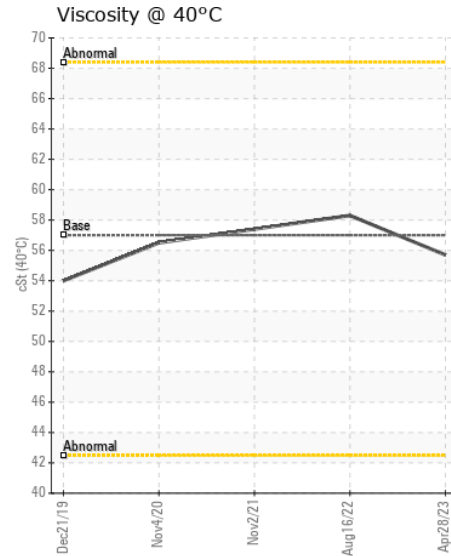
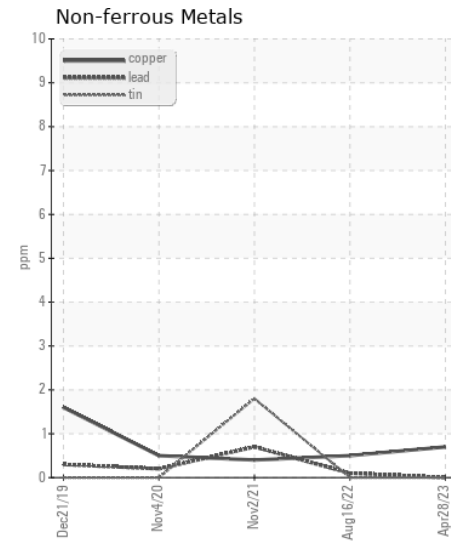
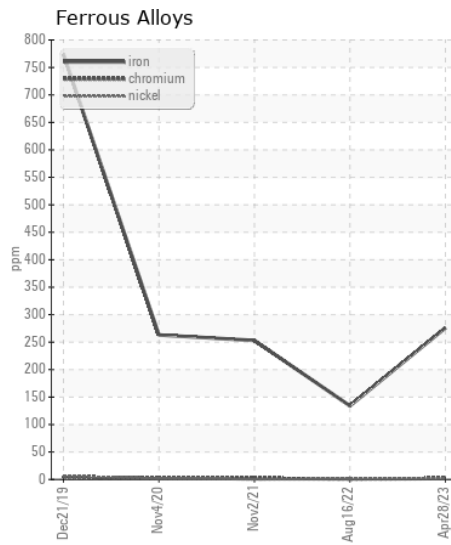
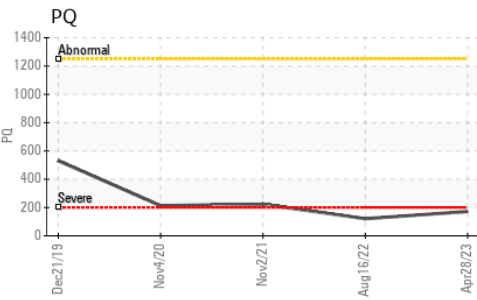
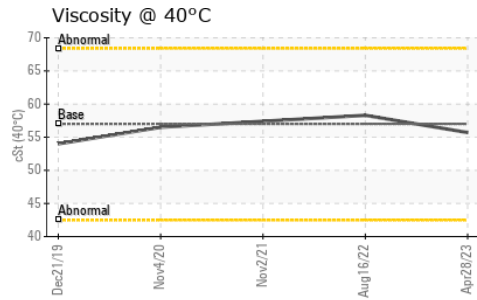
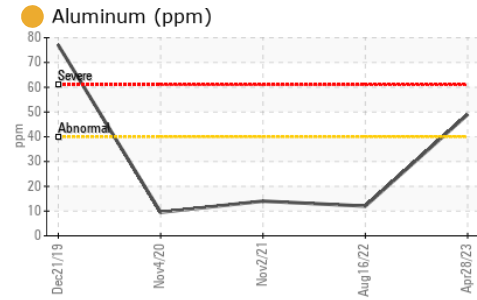
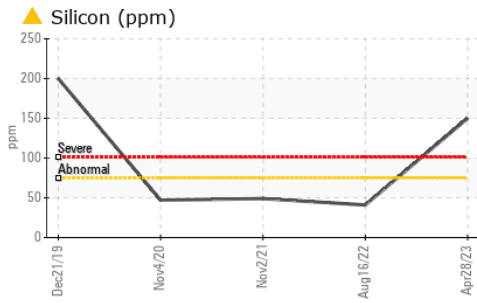
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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		LEC0038425	LEC0032960	LEC0022034
Sample Date		Client Info		28 Apr 2023	16 Aug 2022	02 Nov 2021
Machine Age	hrs	Client Info		3100	2673	2201
Oil Age	hrs	Client Info		899	472	409
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		None	None	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	172	121	223
Iron	ppm	ASTM D5185m	>750	276	134	253
Chromium	ppm	ASTM D5185m	>9	2	<1	2
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		3	<1	1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	49	12	14
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	2
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	150	41	49
Potassium	ppm	ASTM D5185m	>20	11	4	0
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
Sodium	ppm	ASTM D5185m	>51	3	<1	1
Boron	ppm	ASTM D5185m	6	0	1	6
Barium	ppm	ASTM D5185m	0	0	1	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	6
Manganese	ppm	ASTM D5185m		3	1	2
Magnesium	ppm	ASTM D5185m	145	105	96	112
Calcium	ppm	ASTM D5185m	3570	3376	3247	3394
Phosphorus	ppm	ASTM D5185m	1290	1027	987	942
Zinc	ppm	ASTM D5185m	1640	1226	1226	1167
Sulfur	ppm	ASTM D5185m		4304	3646	3144
Visc @ 40°C	cSt	ASTM D445	57.0	55.7	58.3	57.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0038425 **Received** : 02 May 2023
Lab Number : 05835570 **Tested** : 03 May 2023
Unique Number : 10454373 **Diagnosed** : 04 May 2023 - Don Baldrige
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)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

T:
 F: (740)373-5570