



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
Store 4 - Fairmont [RO# 152502]
Machine Id
JOHN DEERE 35G 1FF035GXPGK277166
Component
Right Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (0 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

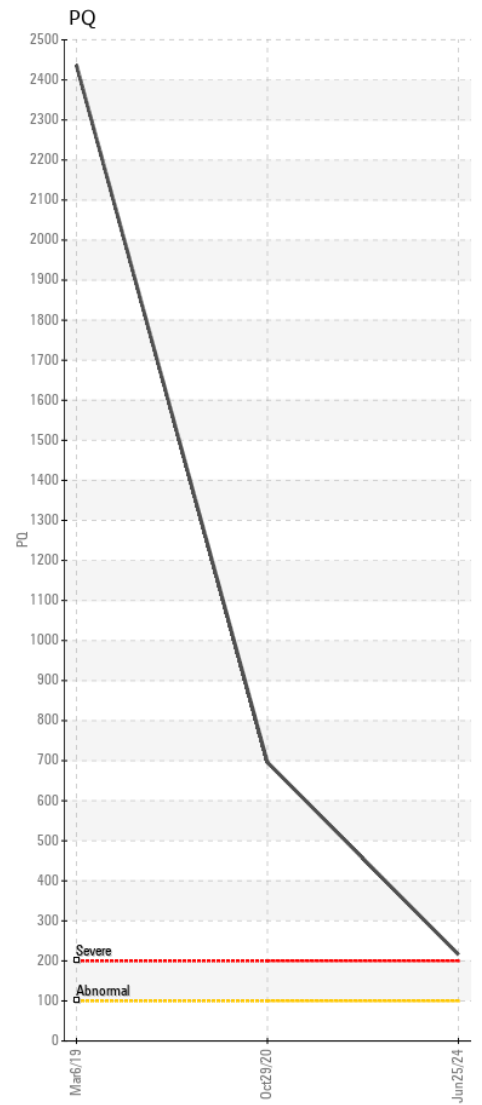
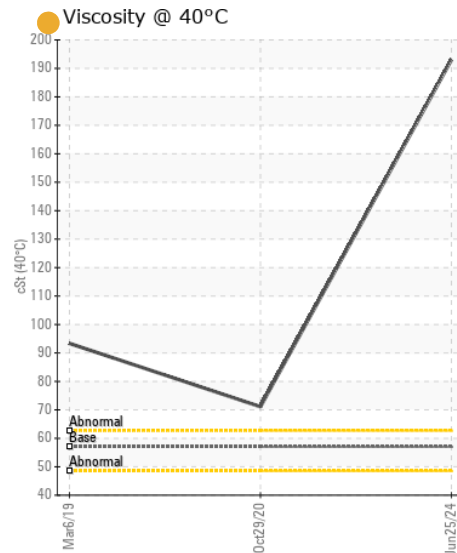
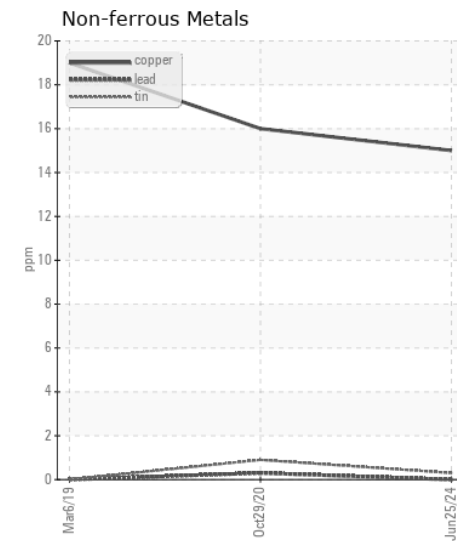
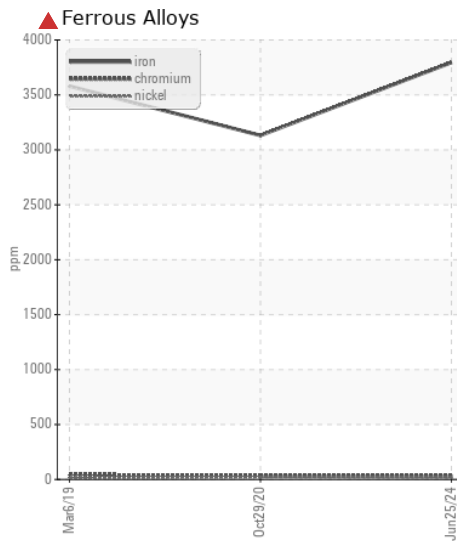
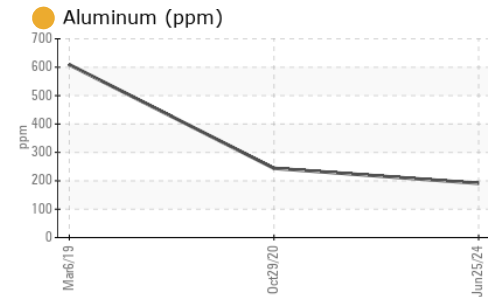
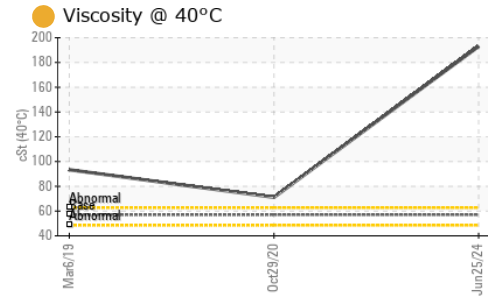
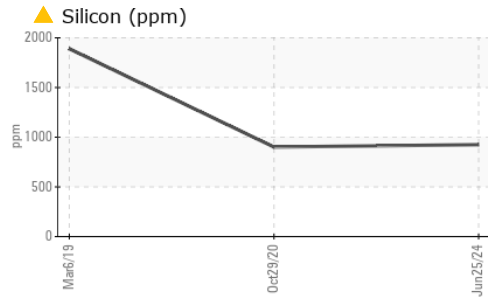
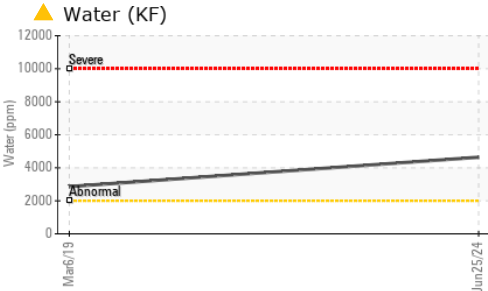
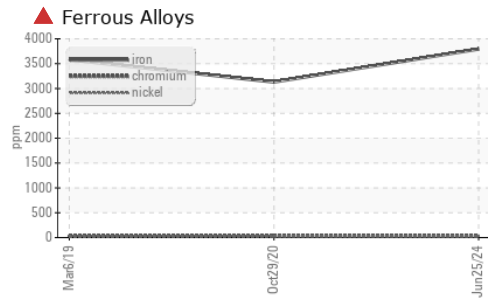
CONTAMINATION

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

FLUID CONDITION

The oil viscosity is higher than normal. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048322	LEC0016374	LECP193393
Sample Date		Client Info		25 Jun 2024	29 Oct 2020	06 Mar 2019
Machine Age	hrs	Client Info		1983	997	500
Oil Age	hrs	Client Info		986	497	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
PQ		ASTM D8184		216	696	2437
Iron	ppm	ASTM D5185m	>1250	▲ 3795	▲ 3131	▲ 3580
Chromium	ppm	ASTM D5185m	>10	▲ 30	▲ 31	▲ 44
Nickel	ppm	ASTM D5185m	>10	▲ 15	▲ 20	▲ 12
Titanium	ppm	ASTM D5185m		18	19	▲ 42
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		● 191	● 244	● 609
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		15	16	19
Tin	ppm	ASTM D5185m		<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	1
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m		▲ 925	▲ 901	▲ 1890
Potassium	ppm	ASTM D5185m	>20	59	58	132
Water	%	ASTM D6304	>0.2	▲ 0.464	---	▲ 0.286
ppm Water	ppm	ASTM D6304	>2000	▲ 4640	---	▲ 2860
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	>0.2	▲ 0.2%	NEG	0.2%
Sodium	ppm	ASTM D5185m		12	9	23
Boron	ppm	ASTM D5185m	6	192	51	11
Barium	ppm	ASTM D5185m	0	2	3	16
Molybdenum	ppm	ASTM D5185m	0	4	42	<1
Manganese	ppm	ASTM D5185m		26	25	40
Magnesium	ppm	ASTM D5185m	145	48	200	54
Calcium	ppm	ASTM D5185m	3570	598	3256	3446
Phosphorus	ppm	ASTM D5185m	1290	1759	1001	487
Zinc	ppm	ASTM D5185m	1640	222	1164	590
Sulfur	ppm	ASTM D5185m		38905	3326	1728
Visc @ 40°C	cSt	ASTM D445	57.0	● 193	71.1	93.35



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048322 **Received** : 28 Jun 2024
Lab Number : 06223739 **Tested** : 01 Jul 2024
Unique Number : 11101936 **Diagnosed** : 01 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, 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: (740)373-5570