



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE
SEVERE
ATTENTION

Area
Store 4 - Fairmont [RO# 152502]
Machine Id
JOHN DEERE 35G 1FF035GXPGK277166
Component
Left 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.

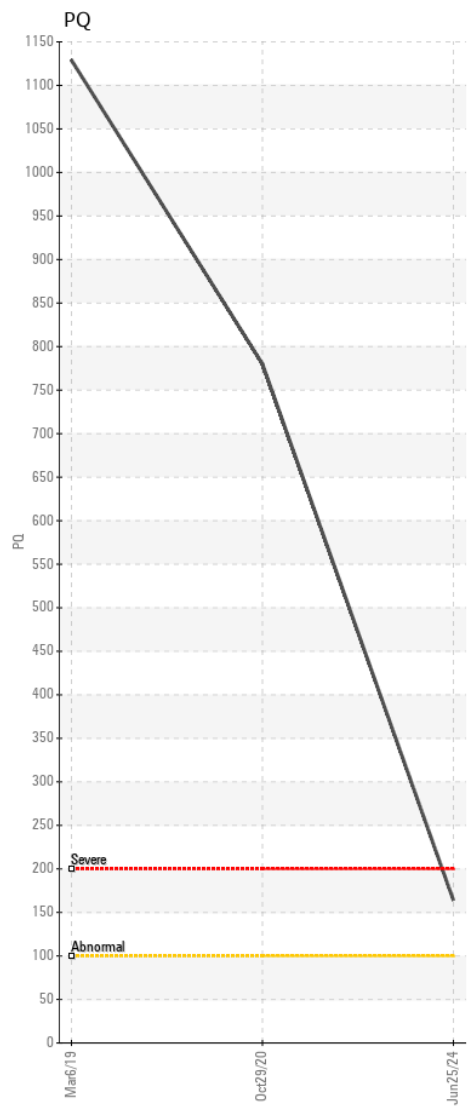
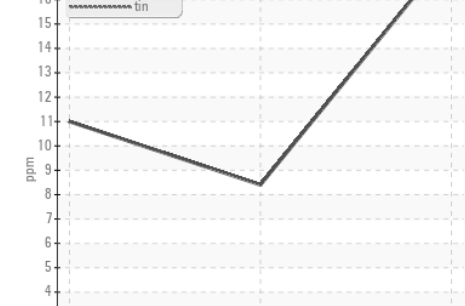
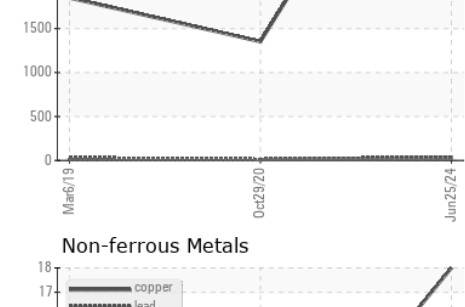
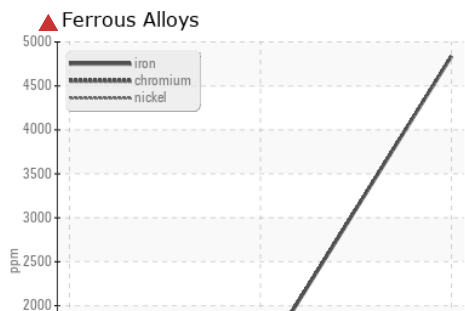
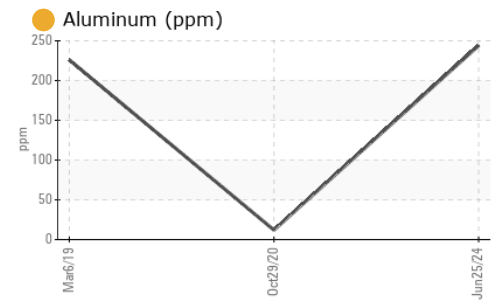
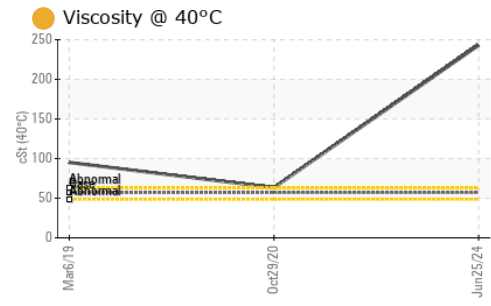
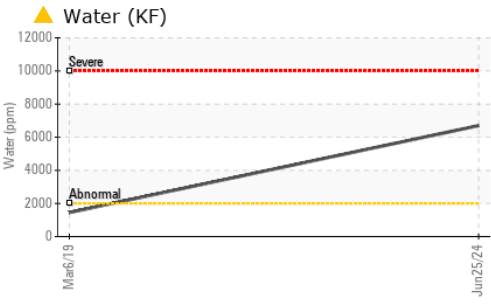
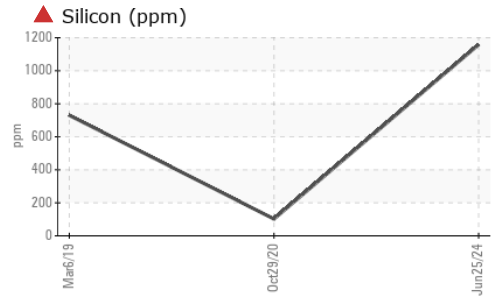
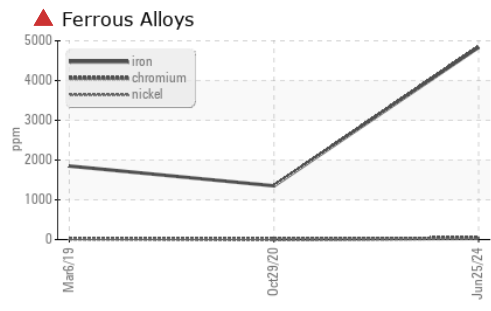
CONTAMINATION

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		LEC0048321	LEC0016372	LECP193409
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	ABNORMAL	SEVERE
PQ		ASTM D8184		164	780	1129
Iron	ppm	ASTM D5185m	>1250	▲ 4837	▲ 1352	▲ 1850
Chromium	ppm	ASTM D5185m	>10	▲ 36	9	▲ 28
Nickel	ppm	ASTM D5185m	>10	▲ 14	2	6
Titanium	ppm	ASTM D5185m		24	2	18
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		● 244	● 12	● 226
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		18	8	11
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	1
White Metal	scalar	*Visual	NONE	NONE	MODER	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m		▲ 1158	▲ 102	▲ 730
Potassium	ppm	ASTM D5185m	>20	71	<1	53
Water	%	ASTM D6304	>0.2	▲ 0.670	---	▲ 0.145
ppm Water	ppm	ASTM D6304	>2000	▲ 6700	---	▲ 1450
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	● HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	NEG	0.2%
Sodium	ppm	ASTM D5185m		13	2	11
Boron	ppm	ASTM D5185m	6	188	31	12
Barium	ppm	ASTM D5185m	0	3	8	44
Molybdenum	ppm	ASTM D5185m	0	6	24	8
Manganese	ppm	ASTM D5185m		33	6	23
Magnesium	ppm	ASTM D5185m	145	59	149	29
Calcium	ppm	ASTM D5185m	3570	595	2134	3630
Phosphorus	ppm	ASTM D5185m	1290	1735	1125	520
Zinc	ppm	ASTM D5185m	1640	256	1139	645
Sulfur	ppm	ASTM D5185m		44414	3155	2079
Visc @ 40°C	cSt	ASTM D445	57.0	● 243	63.3	95.12



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048321 **Received** : 28 Jun 2024
Lab Number : 06223738 **Tested** : 01 Jul 2024
Unique Number : 11101935 **Diagnosed** : 01 Jul 2024 - Don Baldrige
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: (740)373-5570