



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>ATTENTION</b>

Area  
**Store 4 - Fairmont**  
Machine Id  
**PRINOTH T12 935300156**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (--- 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

Bearing and/or bushing wear is indicated. Gear wear is indicated.

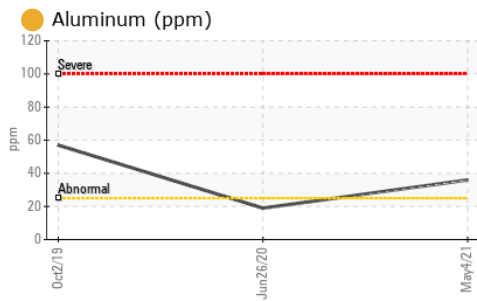
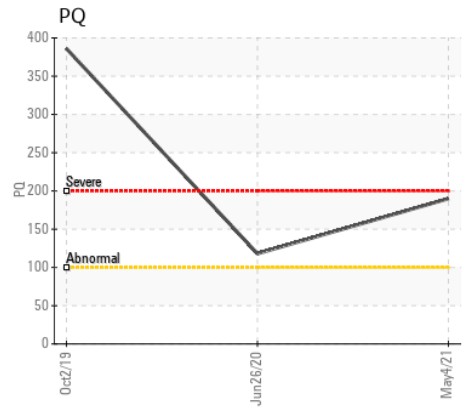
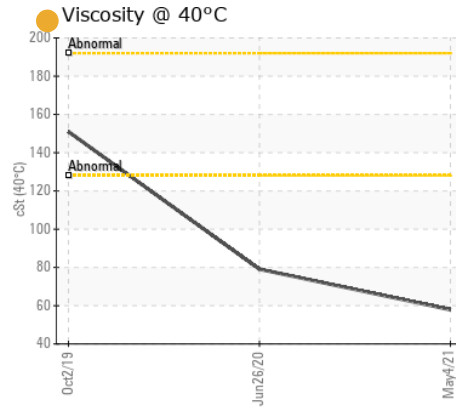
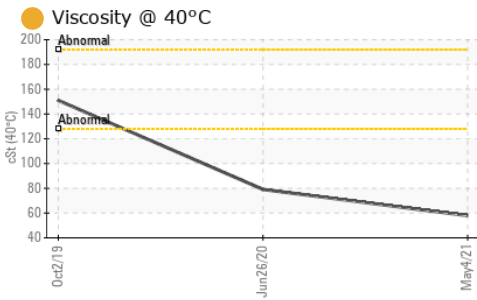
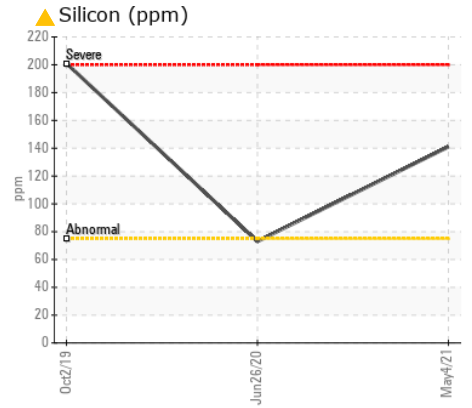
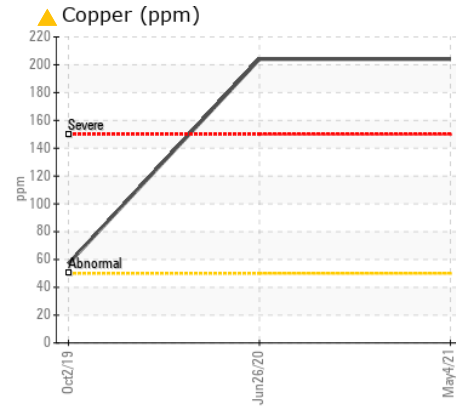
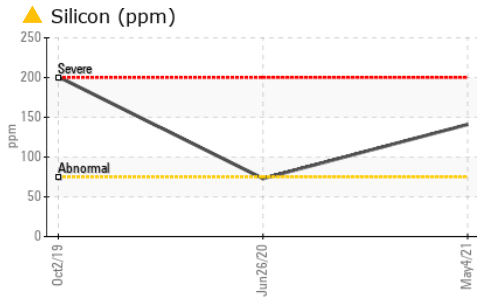
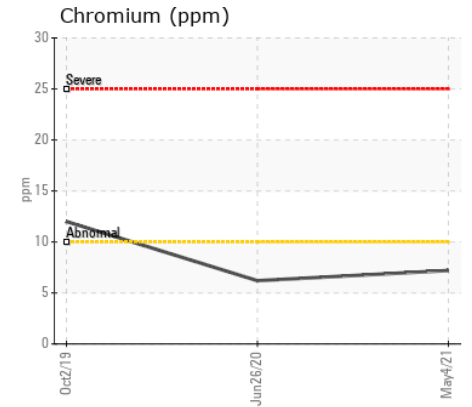
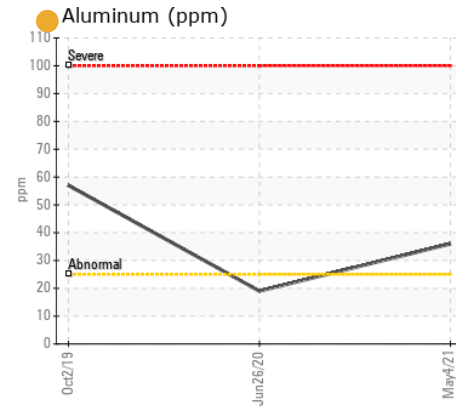
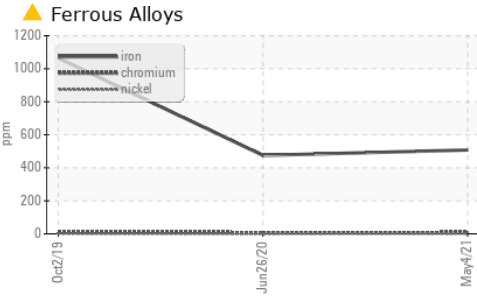
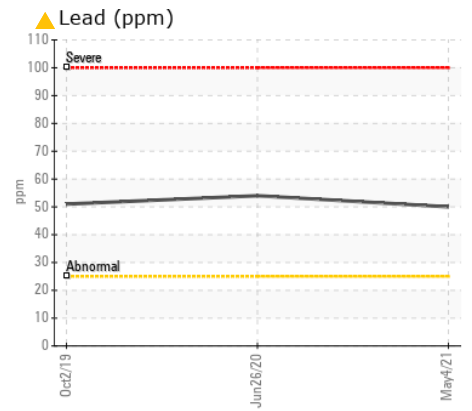
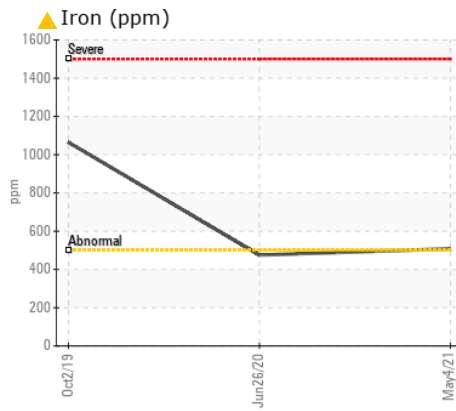
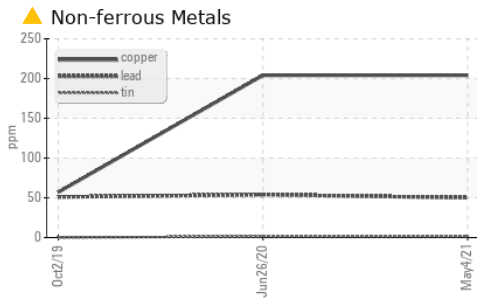
## CONTAMINATION

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

## FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0021096</b>	LEC0014383	LEC0006705
Sample Date		Client Info		<b>04 May 2021</b>	26 Jun 2020	02 Oct 2019
Machine Age	hrs	Client Info		<b>1134</b>	693	340
Oil Age	hrs	Client Info		<b>441</b>	353	340
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184		<b>190</b>	118	386
Iron	ppm	ASTM D5185m	>500	<b>▲ 508</b>	475	▲ 1065
Chromium	ppm	ASTM D5185m	>10	<b>7</b>	6	12
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>4</b>	2	8
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>● 36</b>	19	● 57
Lead	ppm	ASTM D5185m	>25	<b>▲ 50</b>	▲ 54	51
Copper	ppm	ASTM D5185m	>50	<b>▲ 204</b>	▲ 204	57
Tin	ppm	ASTM D5185m	>10	<b>2</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 141</b>	73	▲ 201
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	5	16
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>2</b>	6	9
Boron	ppm	ASTM D5185m		<b>24</b>	18	8
Barium	ppm	ASTM D5185m		<b>10</b>	25	40
Molybdenum	ppm	ASTM D5185m		<b>12</b>	2	0
Manganese	ppm	ASTM D5185m		<b>5</b>	4	8
Magnesium	ppm	ASTM D5185m		<b>125</b>	62	9
Calcium	ppm	ASTM D5185m		<b>3180</b>	1968	115
Phosphorus	ppm	ASTM D5185m		<b>976</b>	706	318
Zinc	ppm	ASTM D5185m		<b>1081</b>	614	46
Sulfur	ppm	ASTM D5185m		<b>4025</b>	4984	11825
Visc @ 40°C	cSt	ASTM D445		<b>● 57.9</b>	● 79.1	● 151



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0021096 **Received** : 06 May 2021  
**Lab Number** : 05248067 **Tested** : 07 May 2021  
**Unique Number** : 9491976 **Diagnosed** : 07 May 2021 - Don Baldrige  
**Test Package** : MOBCE ( Additional Tests: 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:  
 F: (740)373-5570