



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
Store 4 - Fairmont
Machine Id
PRINOTH T12 935300156
Component
Right 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. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0021093	LEC0014382	LEC0006706
Sample Date		Client Info		04 May 2021	26 Jun 2020	02 Oct 2019
Machine Age	hrs	Client Info		1134	693	340
Oil Age	hrs	Client Info		441	353	340
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				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

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

PQ		ASTM D8184		250	174	411
Iron	ppm	ASTM D5185m	>500	▲ 745	▲ 861	695
Chromium	ppm	ASTM D5185m	>10	9	10	9
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		7	5	6
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	● 77	● 77	34
Lead	ppm	ASTM D5185m	>25	▲ 37	▲ 42	63
Copper	ppm	ASTM D5185m	>50	▲ 310	▲ 267	46
Tin	ppm	ASTM D5185m	>10	3	2	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

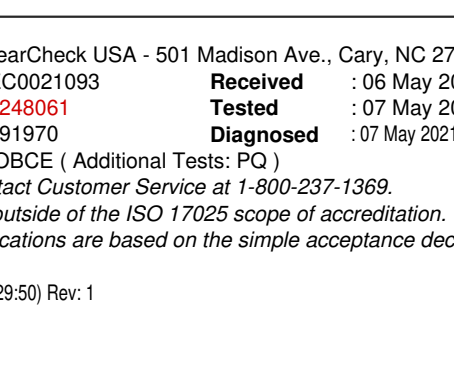
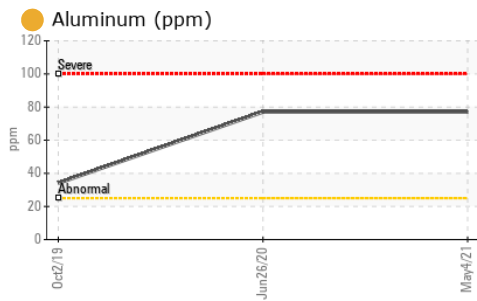
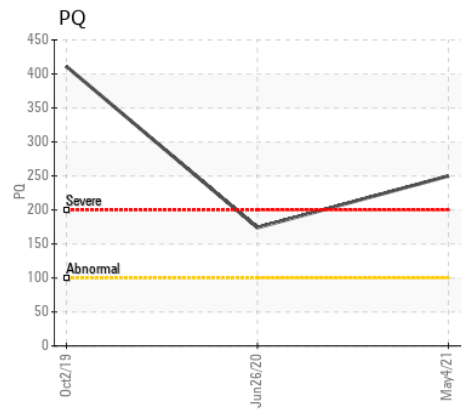
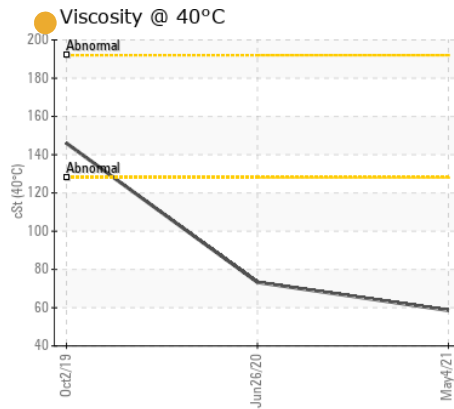
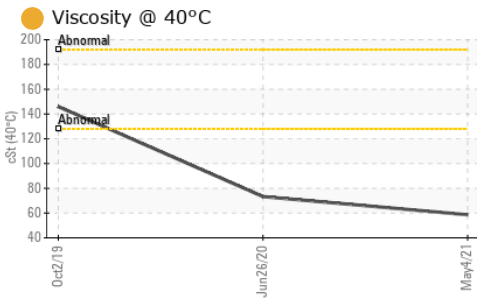
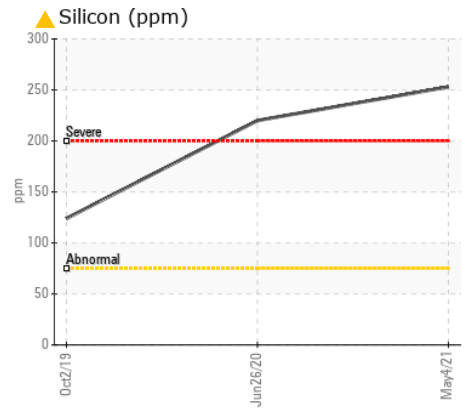
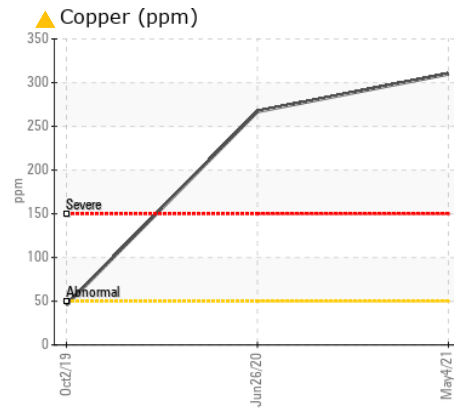
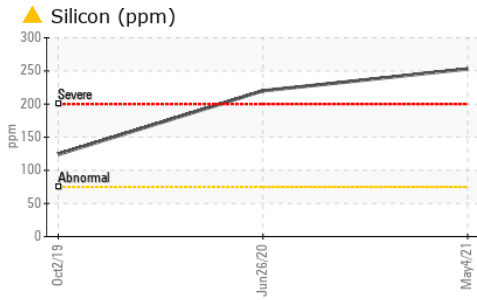
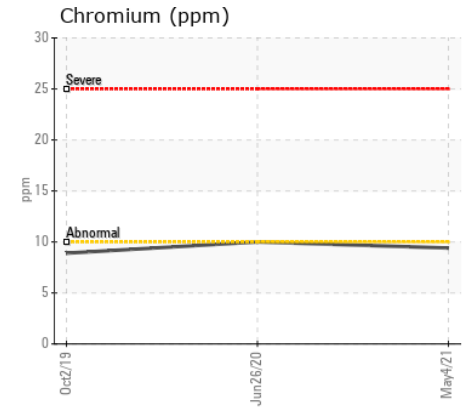
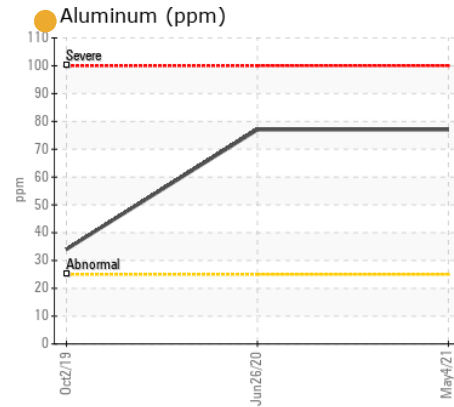
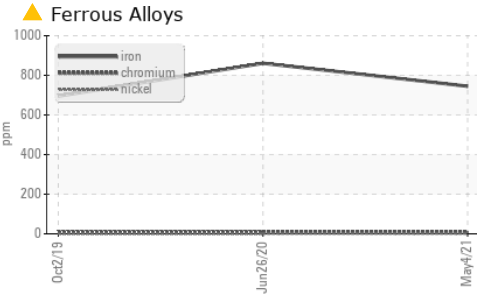
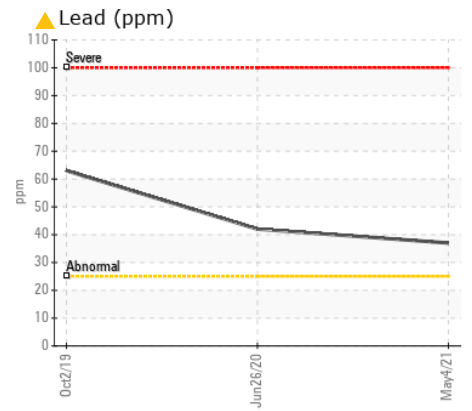
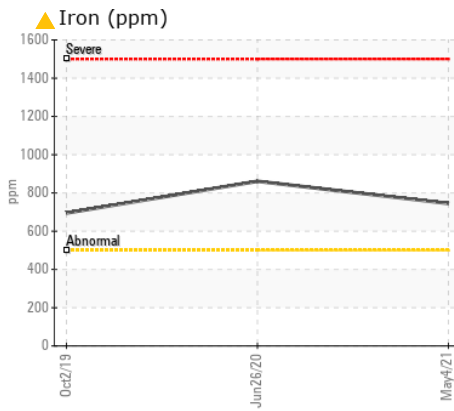
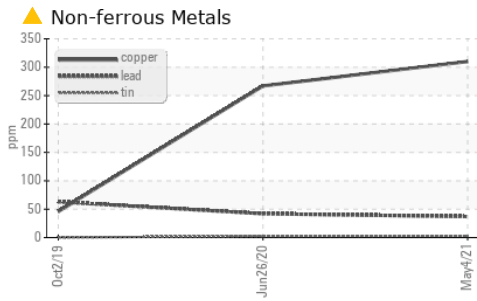
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 253	▲ 220	▲ 124
Potassium	ppm	ASTM D5185m	>20	22	20	20
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

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.

Sodium	ppm	ASTM D5185m		4	8	8
Boron	ppm	ASTM D5185m		21	18	9
Barium	ppm	ASTM D5185m		11	24	42
Molybdenum	ppm	ASTM D5185m		12	0	0
Manganese	ppm	ASTM D5185m		7	7	6
Magnesium	ppm	ASTM D5185m		126	73	10
Calcium	ppm	ASTM D5185m		3146	2181	180
Phosphorus	ppm	ASTM D5185m		944	750	340
Zinc	ppm	ASTM D5185m		1008	665	74
Sulfur	ppm	ASTM D5185m		3685	4858	11658
Visc @ 40°C	cSt	ASTM D445		● 58.6	● 73.3	● 146



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0021093 **Received** : 06 May 2021
Lab Number : 05248061 **Tested** : 07 May 2021
Unique Number : 9491970 **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)

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 F: (740)373-5570