



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 8 - Pikeville [RO#126766]
Machine Id
PRINOTH T14R 935310213
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (1 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

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

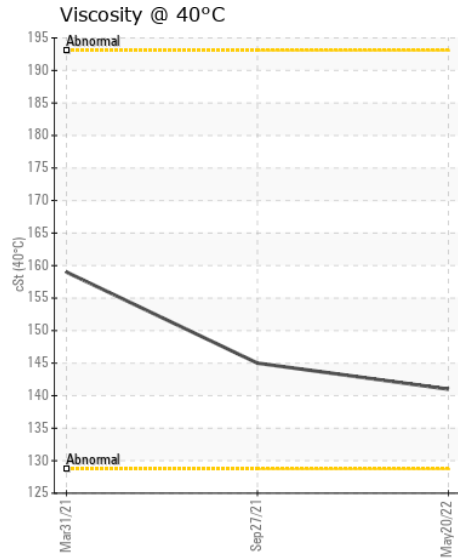
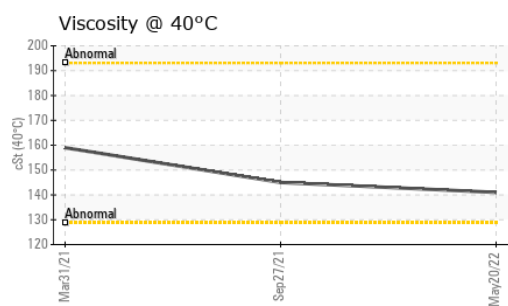
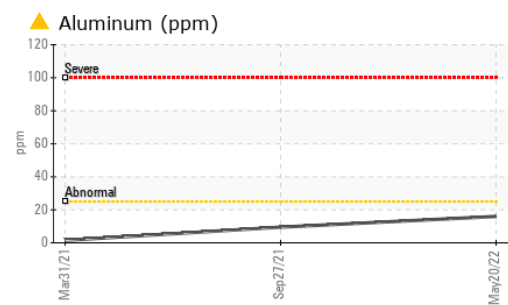
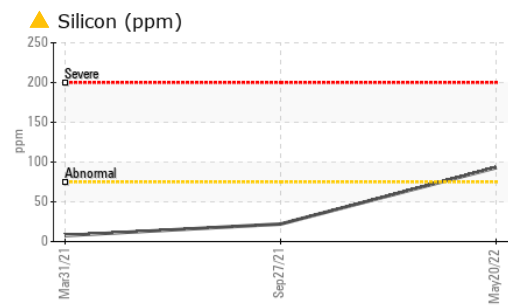
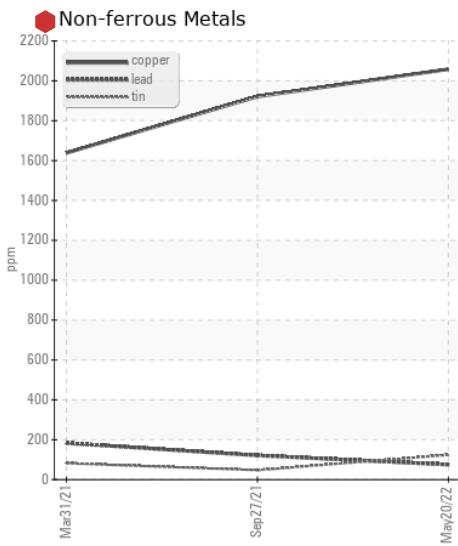
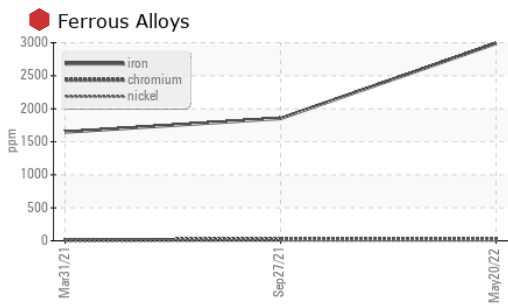
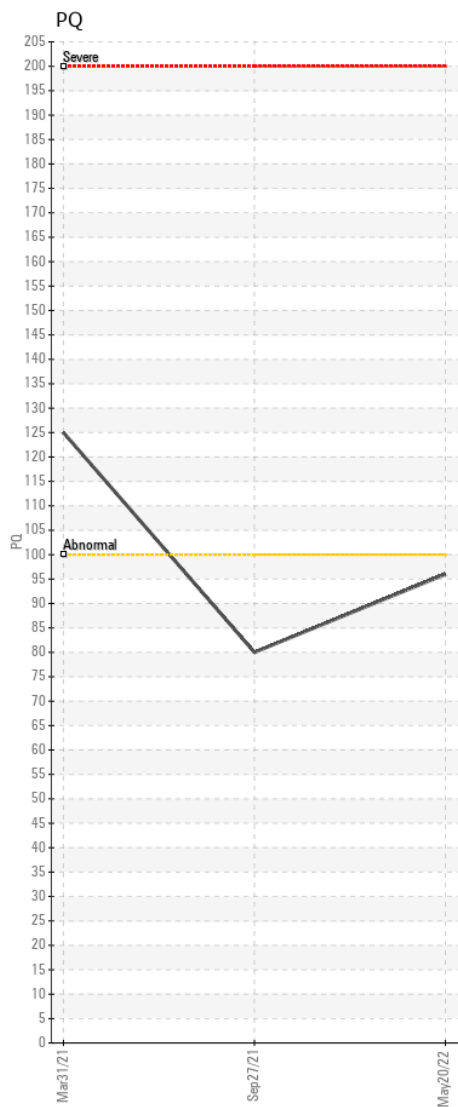
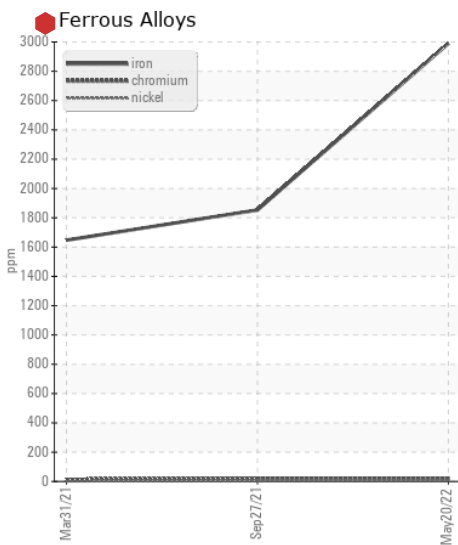
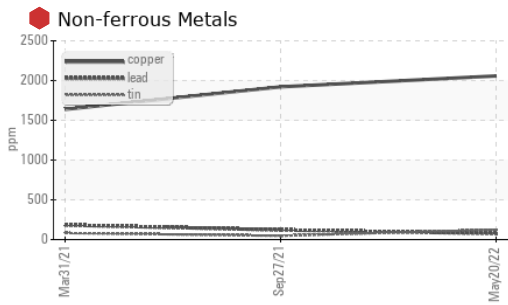
CONTAMINATION

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

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0029403	LEC0025190	LEC0019473
Sample Date		Client Info		20 May 2022	27 Sep 2021	31 Mar 2021
Machine Age	hrs	Client Info		1351	959	620
Oil Age	hrs	Client Info		392	339	620
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				SEVERE	SEVERE	SEVERE
PQ		ASTM D8184		96	80	125
Iron	ppm	ASTM D5185m	>500	2990	1853	1647
Chromium	ppm	ASTM D5185m	>10	22	22	13
Nickel	ppm	ASTM D5185m		5	5	1
Titanium	ppm	ASTM D5185m		2	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	16	10	2
Lead	ppm	ASTM D5185m	>25	75	121	183
Copper	ppm	ASTM D5185m	>50	2058	1921	1638
Tin	ppm	ASTM D5185m	>10	124	47	82
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	93	22	8
Potassium	ppm	ASTM D5185m	>20	4	2	9
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
Sodium	ppm	ASTM D5185m		<1	<1	5
Boron	ppm	ASTM D5185m		5	7	3
Barium	ppm	ASTM D5185m		0	1	<1
Molybdenum	ppm	ASTM D5185m		1	<1	0
Manganese	ppm	ASTM D5185m		17	11	8
Magnesium	ppm	ASTM D5185m		4	2	0
Calcium	ppm	ASTM D5185m		26	11	21
Phosphorus	ppm	ASTM D5185m		307	278	232
Zinc	ppm	ASTM D5185m		37	17	34
Sulfur	ppm	ASTM D5185m		14497	12115	5746
Visc @ 40°C	cSt	ASTM D445		141	145	159



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0029403 **Received** : 23 May 2022
Lab Number : 05551604 **Diagnosed** : 25 May 2022
Unique Number : 9985971 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 F: (740)373-5570

Certificate L2367
 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)