



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont [RO# 151870]

Machine Id
PRINOTH 935310208

Component
Right Propel Gearbox

Fluid
JOHN DEERE GL-5 80W90 (1 GAL)

RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048309	LEC0041735	LEC0036866
Sample Date		Client Info		10 Jun 2024	17 May 2023	29 Nov 2022
Machine Age	hrs	Client Info		2214	1748	1364
Oil Age	hrs	Client Info		466	384	383
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	None
Sample Status				SEVERE	SEVERE	ABNORMAL

WEAR

Bearing and/or gear wear is indicated.

PQ		ASTM D8184		98	199	43
Iron	ppm	ASTM D5185m	>200	▲ 626	▲ 686	▲ 200
Chromium	ppm	ASTM D5185m	>10	7	7	2
Nickel	ppm	ASTM D5185m	>10	1	0	<1
Titanium	ppm	ASTM D5185m		<1	2	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		11	● 34	3
Lead	ppm	ASTM D5185m		4	16	▲ 62
Copper	ppm	ASTM D5185m		▲ 519	▲ 357	▲ 434
Tin	ppm	ASTM D5185m		▲ 13	▲ 10	▲ 11
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

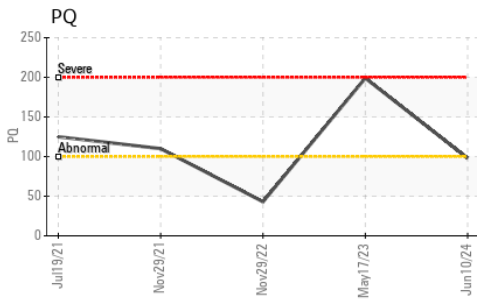
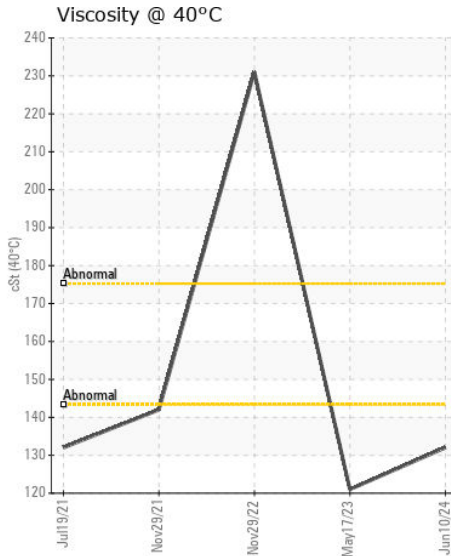
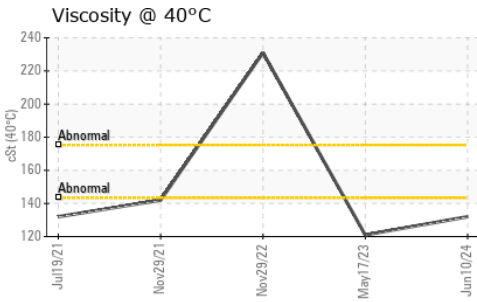
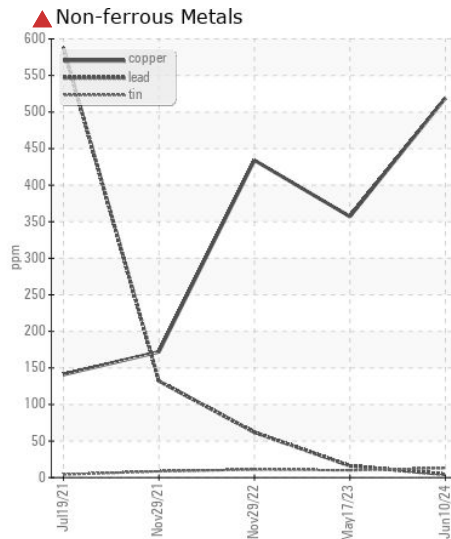
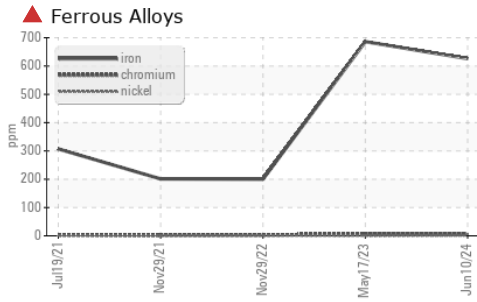
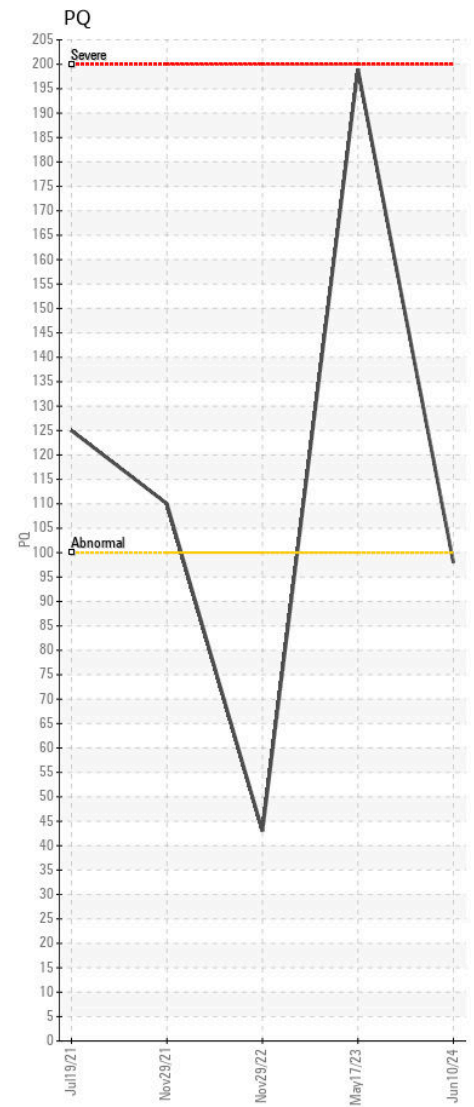
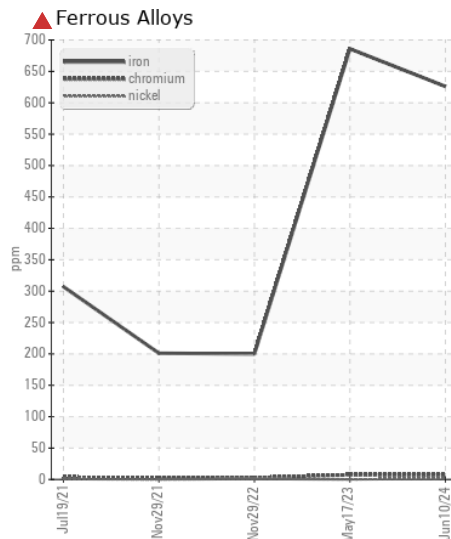
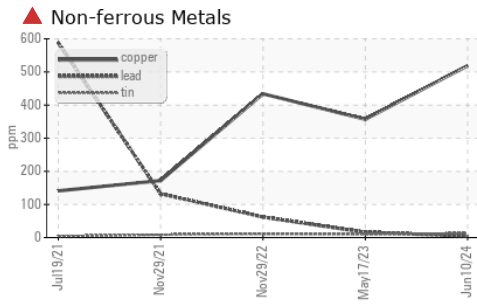
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		39	▲ 117	12
Potassium	ppm	ASTM D5185m	>20	5	9	<1
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 is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		3	3	4
Boron	ppm	ASTM D5185m		<1	2	8
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	0	4
Manganese	ppm	ASTM D5185m		4	4	2
Magnesium	ppm	ASTM D5185m		9	21	87
Calcium	ppm	ASTM D5185m		93	459	2616
Phosphorus	ppm	ASTM D5185m		344	473	1217
Zinc	ppm	ASTM D5185m		43	144	803
Sulfur	ppm	ASTM D5185m		21136	17933	9187
Visc @ 40°C	cSt	ASTM D445		132	121	● 231



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048309 **Received** : 17 Jun 2024
Lab Number : 06212003 **Tested** : 18 Jun 2024
Unique Number : 11084867 **Diagnosed** : 19 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: 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)

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