



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont

Machine Id
PRINOTH 935310208

Component
Right Propel Gearbox

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041735	LEC0036866	LEC0024956
Sample Date		Client Info		17 May 2023	29 Nov 2022	29 Nov 2021
Machine Age	hrs	Client Info		1748	1364	981
Oil Age	hrs	Client Info		384	383	402
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL

WEAR

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

PQ		ASTM D8184		199	43	110
Iron	ppm	ASTM D5185m	>200	▲ 686	▲ 200	▲ 201
Chromium	ppm	ASTM D5185m	>10	7	2	2
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		2	<1	0
Silver	ppm	ASTM D5185m		0	0	2
Aluminum	ppm	ASTM D5185m		● 34	3	<1
Lead	ppm	ASTM D5185m		16	▲ 62	▲ 132
Copper	ppm	ASTM D5185m		▲ 357	▲ 434	▲ 172
Tin	ppm	ASTM D5185m		▲ 10	▲ 11	9
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

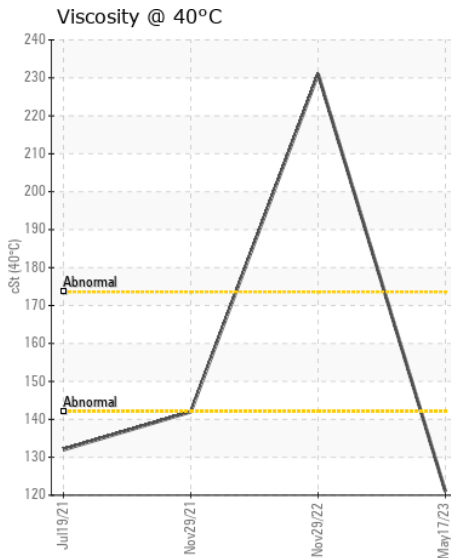
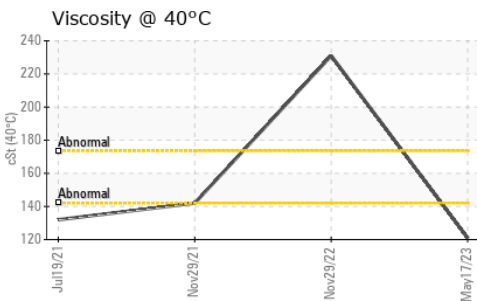
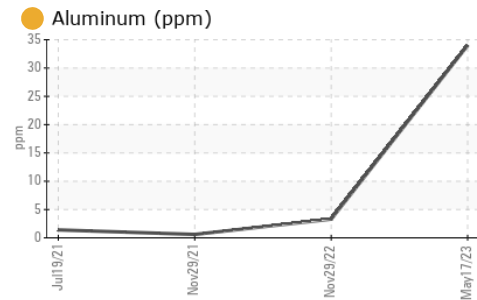
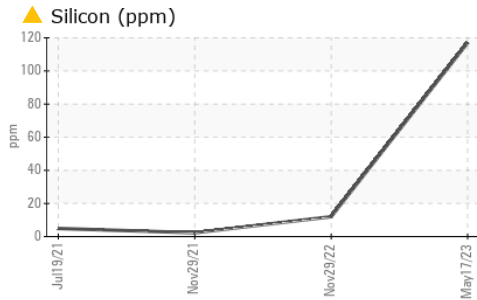
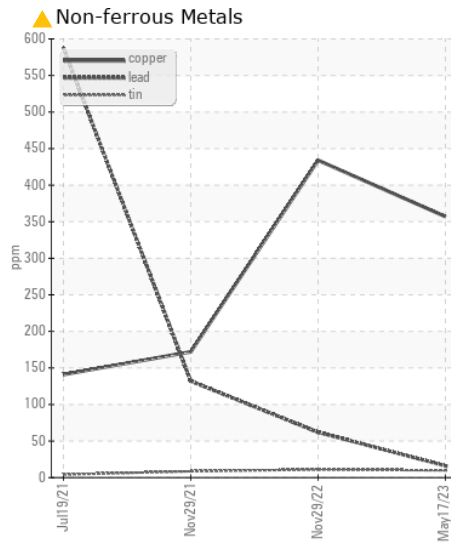
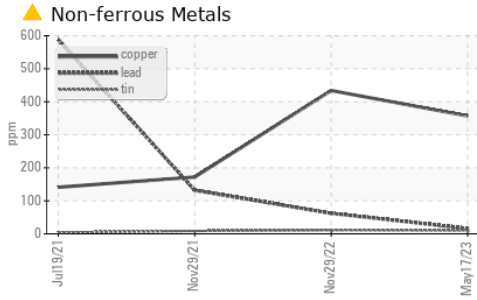
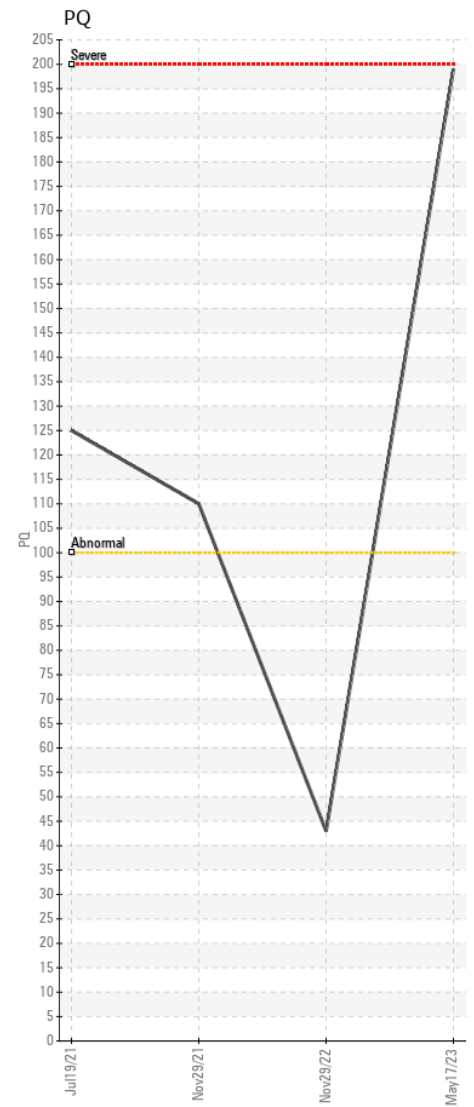
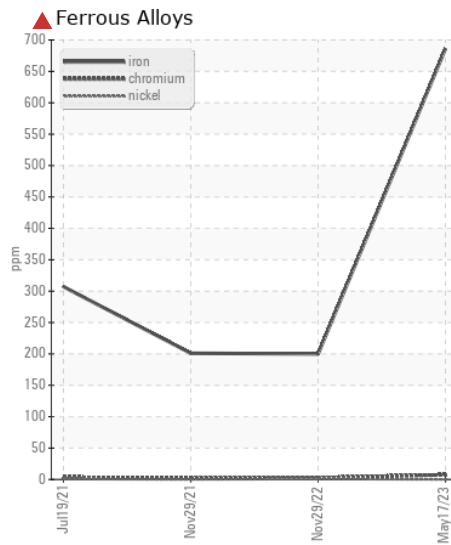
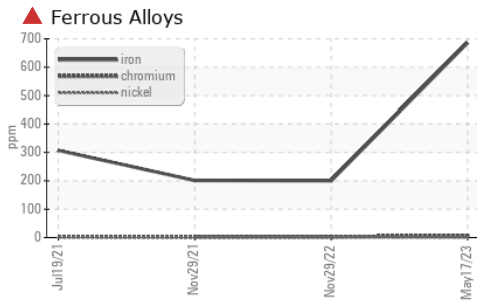
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		▲ 117	12	2
Potassium	ppm	ASTM D5185m	>20	9	<1	0
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	4	7
Boron	ppm	ASTM D5185m		2	8	6
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	4	<1
Manganese	ppm	ASTM D5185m		4	2	2
Magnesium	ppm	ASTM D5185m		21	87	11
Calcium	ppm	ASTM D5185m		459	2616	120
Phosphorus	ppm	ASTM D5185m		473	1217	2115
Zinc	ppm	ASTM D5185m		144	803	59
Sulfur	ppm	ASTM D5185m		17933	9187	20382
Visc @ 40°C	cSt	ASTM D445		121	● 231	142



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041735 **Received** : 19 May 2023
Lab Number : 05852076 **Tested** : 22 May 2023
Unique Number : 10481431 **Diagnosed** : 23 May 2023 - Don Baldrige
Test Package : CONST (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