



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 8 - Pikeville
Machine Id
JOHN DEERE 130G 1FF130GXJJF042048
Component
Right Propel Gearbox
Fluid
JOHN DEERE GL-5 80W90 (4 QTS)

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0037511	LEC0019549	LEC0015671
Sample Date		Client Info		13 Jan 2023	08 Mar 2021	13 Aug 2020
Machine Age	hrs	Client Info		3689	2087	1520
Oil Age	hrs	Client Info		1602	567	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184		378	86	144
Iron	ppm	ASTM D5185m	>1250	998	122	219
Chromium	ppm	ASTM D5185m	>10	12	2	4
Nickel	ppm	ASTM D5185m	>10	4	<1	<1
Titanium	ppm	ASTM D5185m		9	1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		143	12	10
Lead	ppm	ASTM D5185m		1	0	1
Copper	ppm	ASTM D5185m		2	<1	1
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

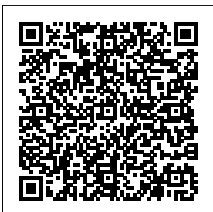
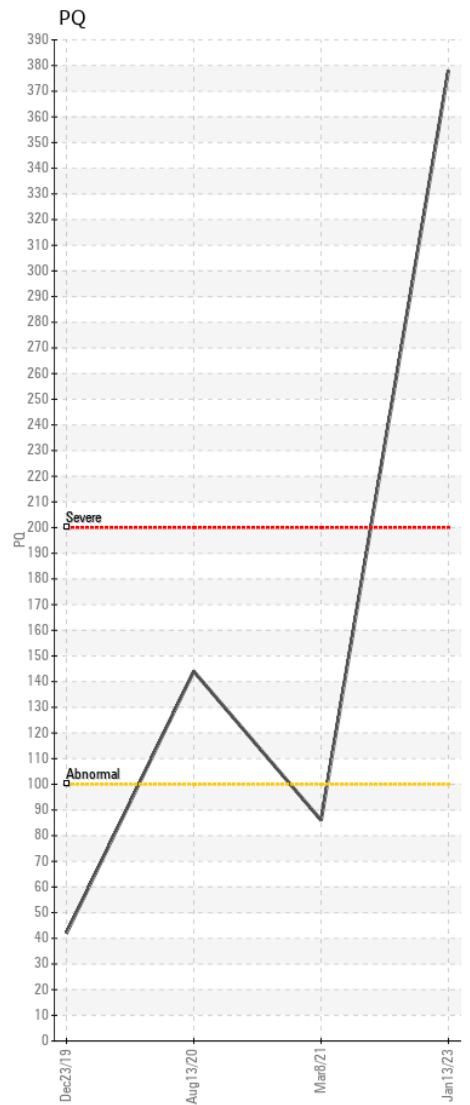
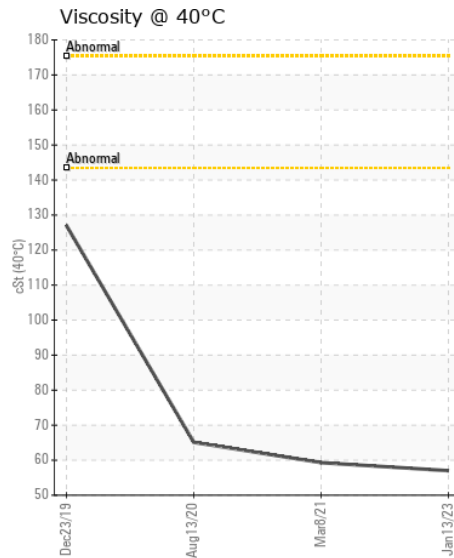
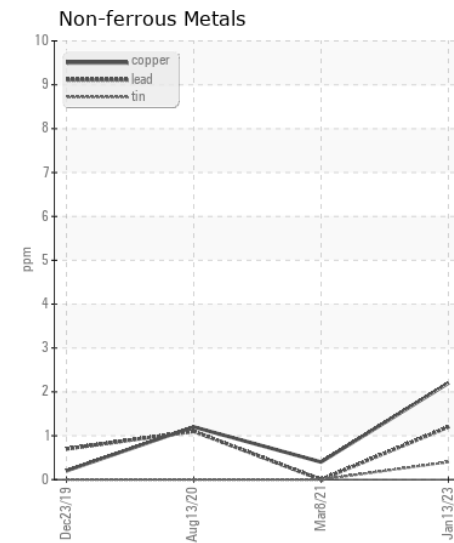
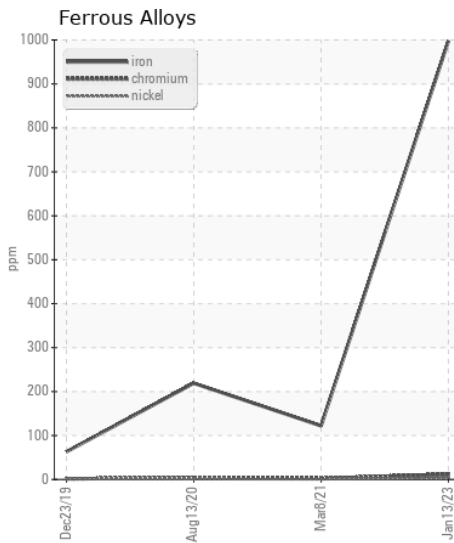
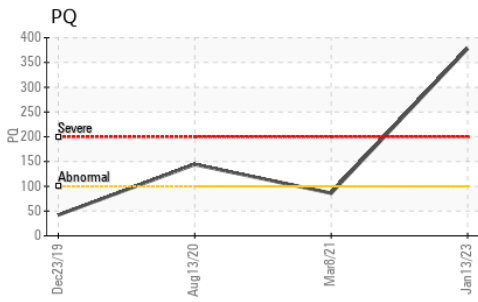
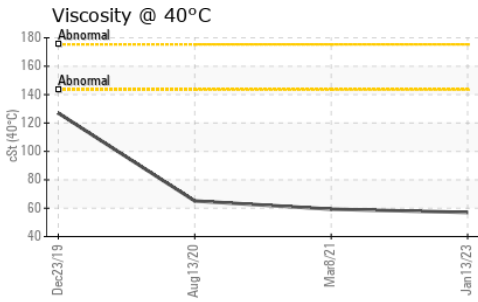
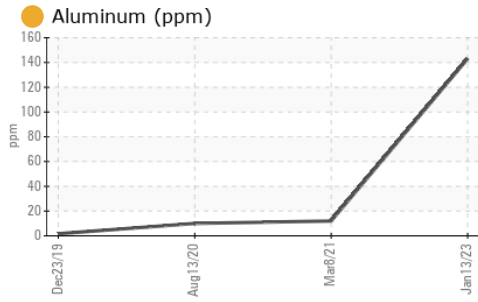
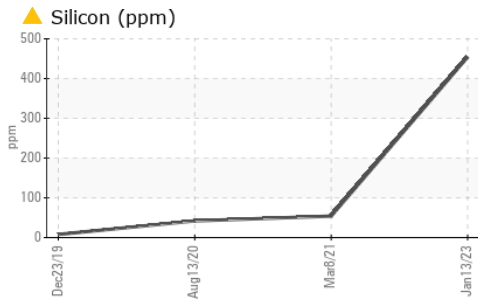
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		454	54	42
Potassium	ppm	ASTM D5185m	>20	39	5	10
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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		6	1	2
Boron	ppm	ASTM D5185m		11	24	52
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		3	13	7
Manganese	ppm	ASTM D5185m		12	2	3
Magnesium	ppm	ASTM D5185m		112	137	113
Calcium	ppm	ASTM D5185m		3587	3324	3114
Phosphorus	ppm	ASTM D5185m		960	1006	1031
Zinc	ppm	ASTM D5185m		1165	1184	1057
Sulfur	ppm	ASTM D5185m		3962	3152	6062
Visc @ 40°C	cSt	ASTM D445		57.0	59.3	65.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0037511 **Received** : 17 Jan 2023
Lab Number : 05740790 **Tested** : 18 Jan 2023
Unique Number : 10295389 **Diagnosed** : 18 Jan 2023 - Sean Felton
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:
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