



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area

{unassigned}

Machine Id

JOHN DEERE 250G 1FF250GXLLF611603

Component

Right Final Drive

Fluid

{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0037036	LEC0029558	LEC0018482
Sample Date		Client Info		23 Nov 2022	20 May 2022	24 Nov 2021
Machine Age	hrs	Client Info		1515	964	478
Oil Age	hrs	Client Info		1037	486	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		None	Changed	Not Chngd
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	201	248	124
Iron	ppm	ASTM D5185m	>750	498	433	139
Chromium	ppm	ASTM D5185m	>9	6	6	3
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		3	5	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 63	▲ 89	1
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	2	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

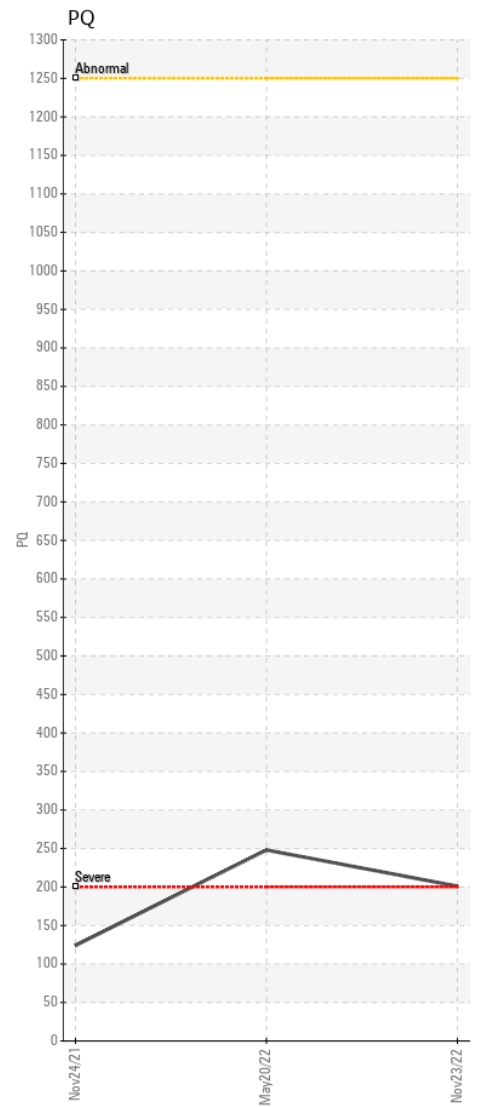
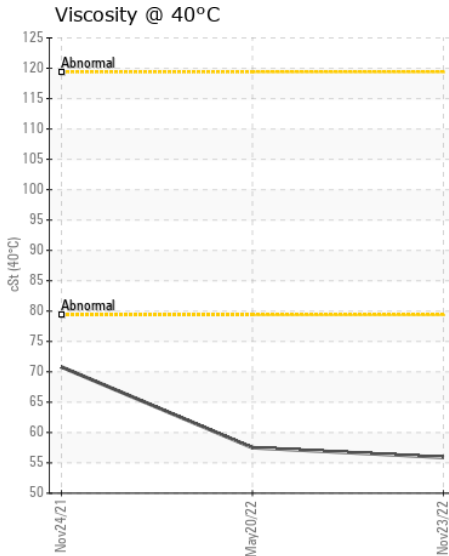
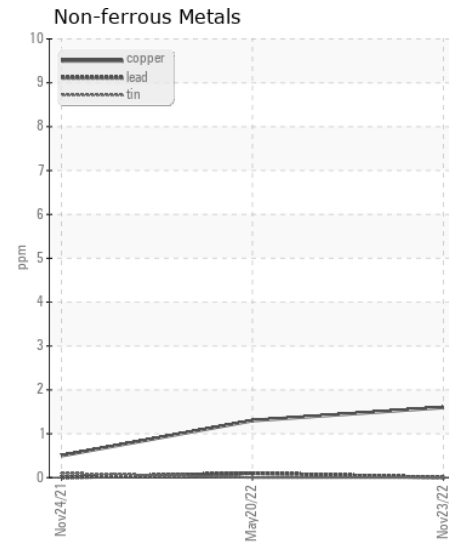
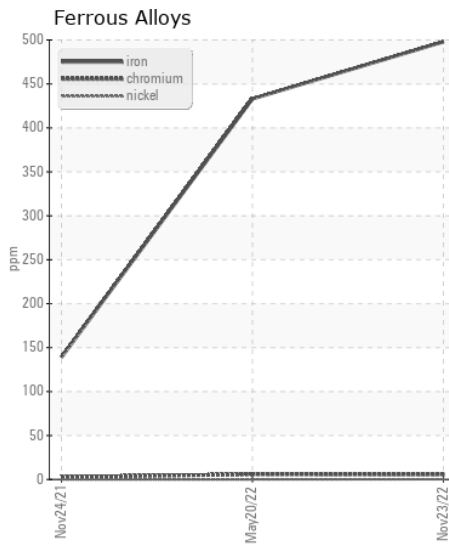
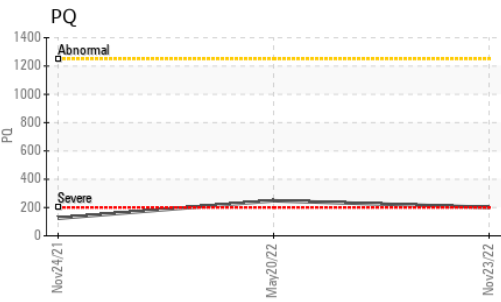
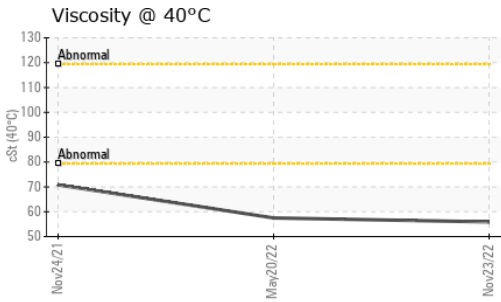
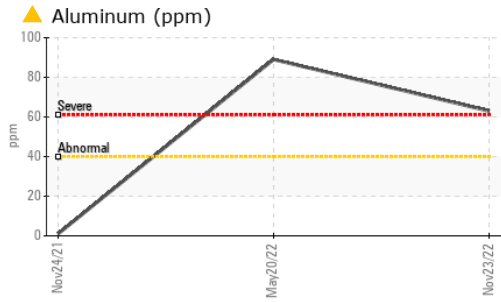
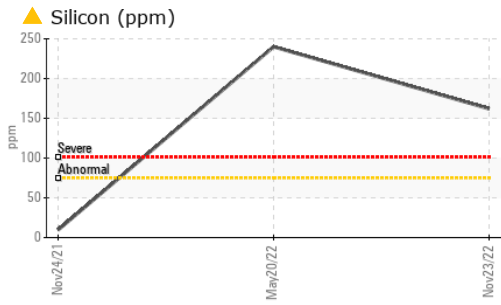
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 162	▲ 240	10
Potassium	ppm	ASTM D5185m	>20	14	21	0
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	1	2	<1
Boron	ppm	ASTM D5185m		13	14	32
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	<1	3
Manganese	ppm	ASTM D5185m		6	6	3
Magnesium	ppm	ASTM D5185m		114	102	99
Calcium	ppm	ASTM D5185m		3474	3336	3008
Phosphorus	ppm	ASTM D5185m		1034	1017	989
Zinc	ppm	ASTM D5185m		1256	1201	1006
Sulfur	ppm	ASTM D5185m		4269	3665	5137
Visc @ 40°C	cSt	ASTM D445		55.9	57.5	70.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0037036 **Received** : 28 Nov 2022
Lab Number : 05703887 **Diagnosed** : 29 Nov 2022
Unique Number : 10233461 **Diagnostician** : 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)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendallLeanne@lec1.com
 T:
 F: (740)373-5570