



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**{unassigned}**  
Machine Id  
**JOHN DEERE 250G 1FF250GXLLF611603**  
Component  
**Left Final Drive**  
Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0037034</b>	LEC0029557	LEC0018481
Sample Date		Client Info		<b>23 Nov 2022</b>	20 May 2022	24 Nov 2021
Machine Age	hrs	Client Info		<b>1515</b>	964	478
Oil Age	hrs	Client Info		<b>551</b>	486	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	None	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>82</b>	74	107
Iron	ppm	ASTM D5185m	>750	<b>132</b>	78	127
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	2	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	2	1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

There is no indication of any contamination in the oil.

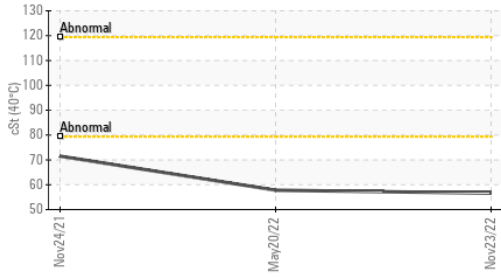
Silicon	ppm	ASTM D5185m	>75	<b>10</b>	9	10
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	0
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

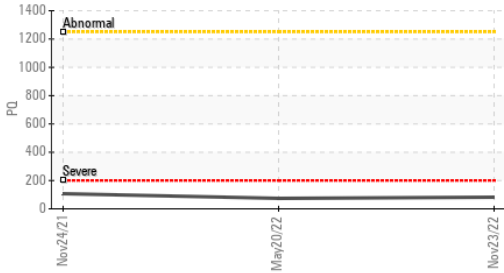
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	0	<1
Boron	ppm	ASTM D5185m		<b>8</b>	10	34
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	3
Manganese	ppm	ASTM D5185m		<b>2</b>	1	2
Magnesium	ppm	ASTM D5185m		<b>104</b>	97	101
Calcium	ppm	ASTM D5185m		<b>3427</b>	3270	3051
Phosphorus	ppm	ASTM D5185m		<b>1018</b>	993	991
Zinc	ppm	ASTM D5185m		<b>1242</b>	1186	1017
Sulfur	ppm	ASTM D5185m		<b>4277</b>	3770	5301
Visc @ 40°C	cSt	ASTM D445		<b>56.6</b>	57.8	71.5

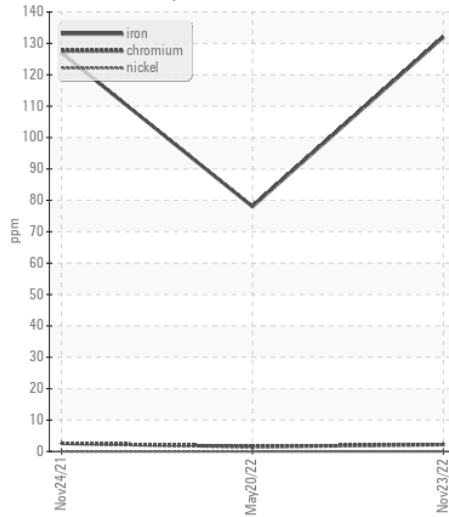
Viscosity @ 40°C



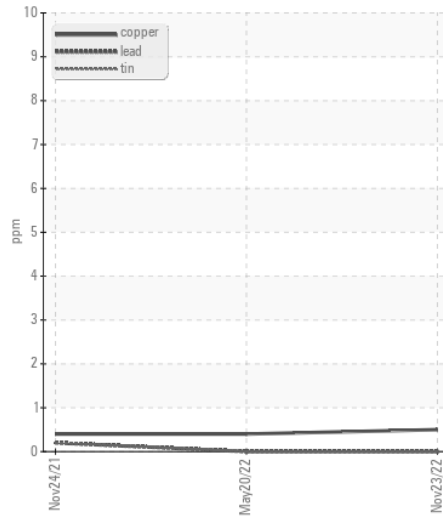
PQ



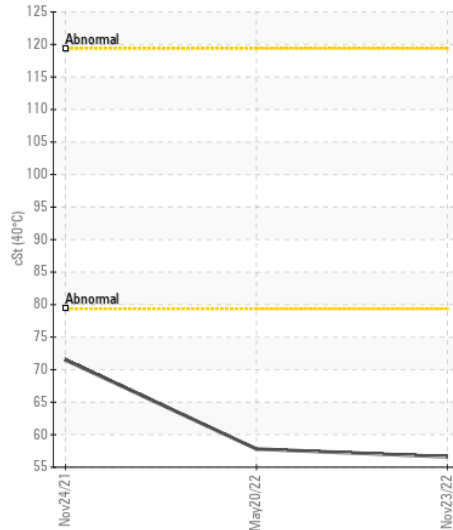
Ferrous Alloys



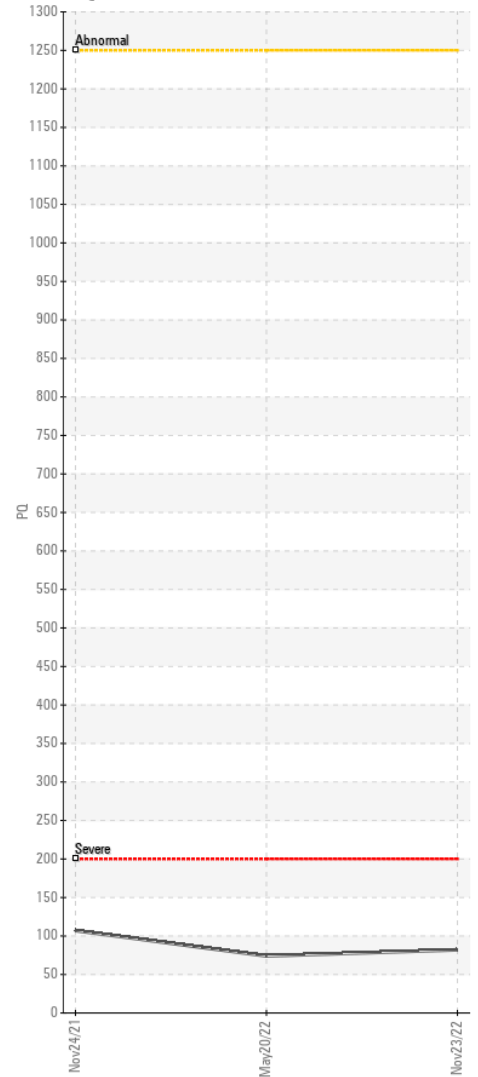
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0037034 **Recieved** : 28 Nov 2022  
**Lab Number** : 05703905 **Diagnosed** : 29 Nov 2022  
**Unique Number** : 10233479 **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