



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 210G 1FF210GXKNF530219
Component
Right Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049699	LEC0043263	LEC0038141
Sample Date		Client Info		13 Mar 2024	26 Jun 2023	03 Jan 2023
Machine Age	hrs	Client Info		1781	1006	621
Oil Age	hrs	Client Info		775	385	621
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				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		221	60	154
Iron	ppm	ASTM D5185m	>1250	320	172	241
Chromium	ppm	ASTM D5185m	>10	5	3	4
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		33	<1	2
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		1	1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

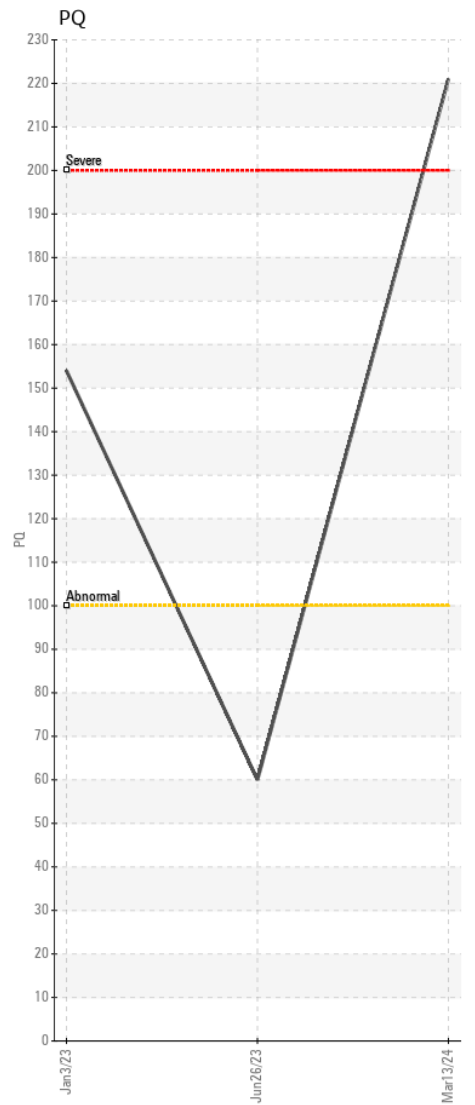
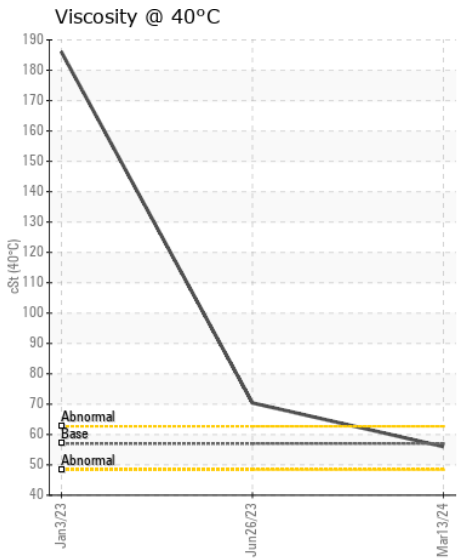
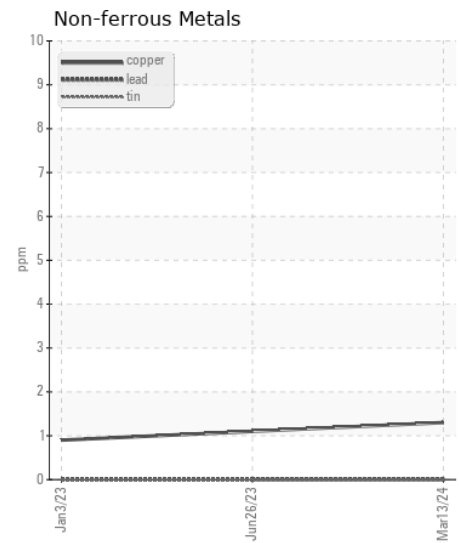
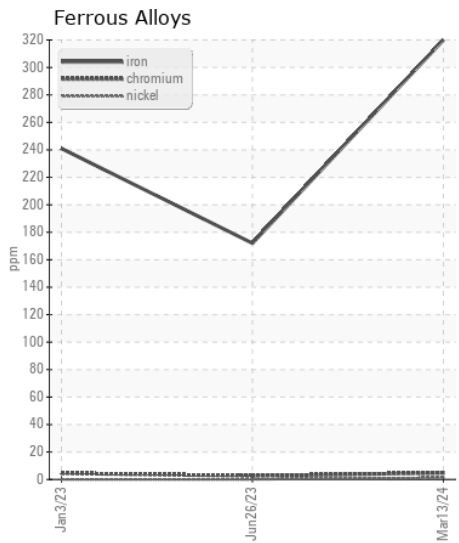
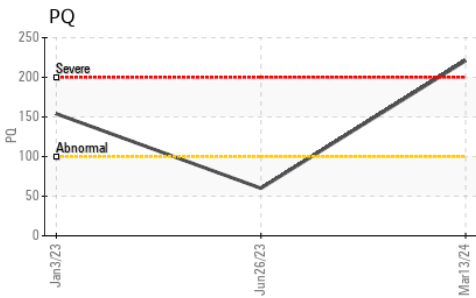
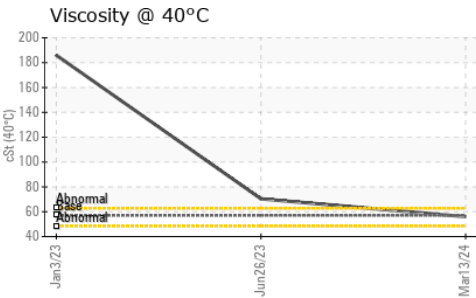
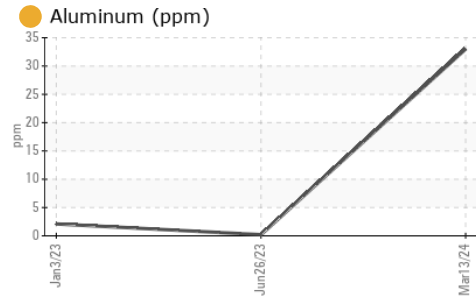
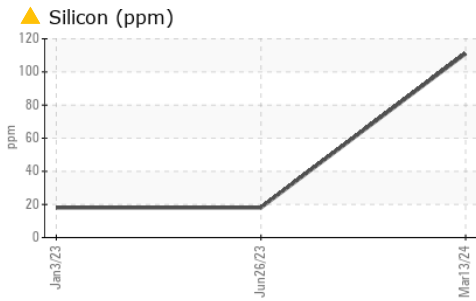
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		111	18	18
Potassium	ppm	ASTM D5185m	>20	10	3	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	LIGHT	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		0	0	<1
Boron	ppm	ASTM D5185m	6	12	38	67
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	4	<1	<1
Manganese	ppm	ASTM D5185m		4	3	5
Magnesium	ppm	ASTM D5185m	145	106	77	2
Calcium	ppm	ASTM D5185m	3570	3251	2834	25
Phosphorus	ppm	ASTM D5185m	1290	972	917	497
Zinc	ppm	ASTM D5185m	1640	1194	994	32
Sulfur	ppm	ASTM D5185m		4275	7317	17513
Visc @ 40°C	cSt	ASTM D445	57.0	56.0	70.4	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049699 **Received** : 19 Mar 2024
Lab Number : 06122720 **Tested** : 20 Mar 2024
Unique Number : 10936871 **Diagnosed** : 21 Mar 2024 - 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
 T:
 F: (740)373-5570

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)