



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 210G 1FF210GXKMF529702
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.

WEAR

All component wear rates are normal.

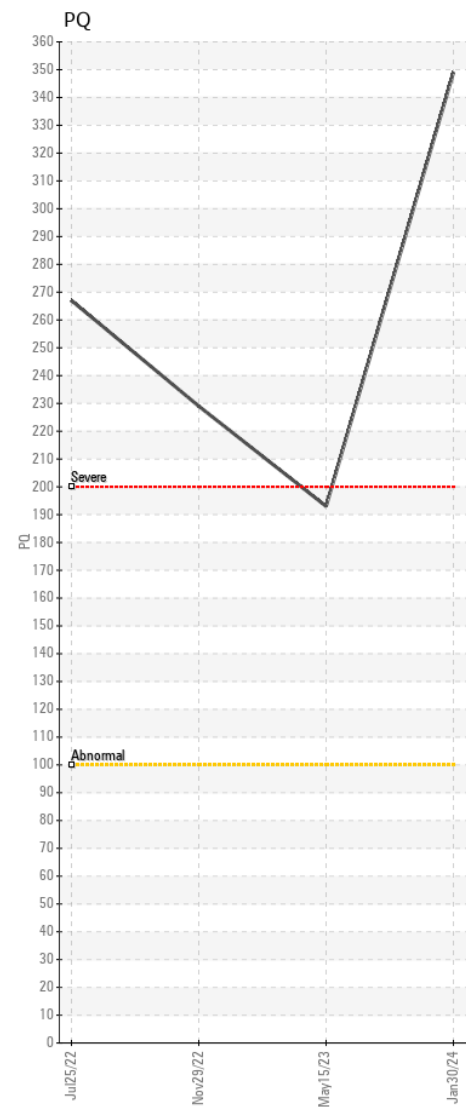
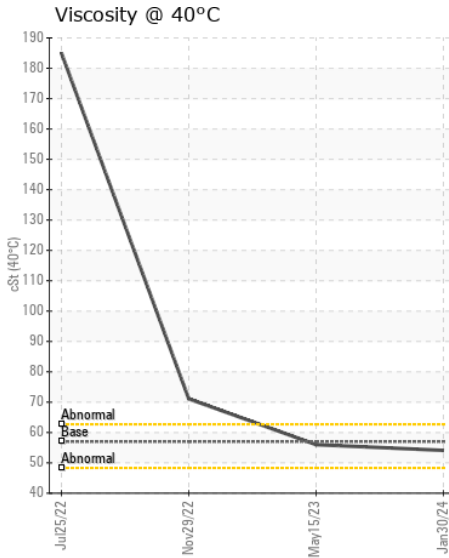
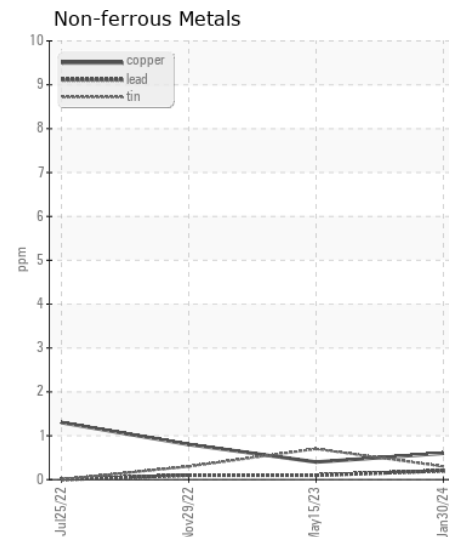
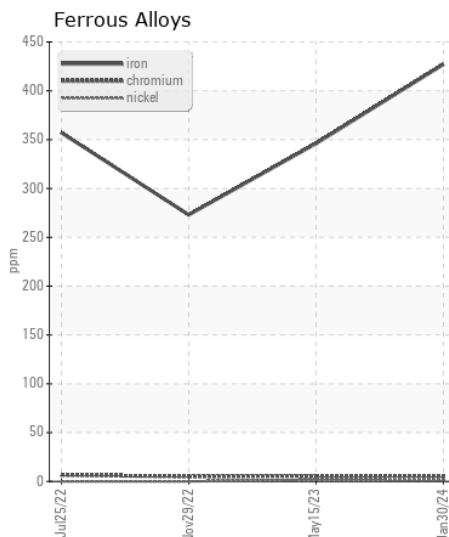
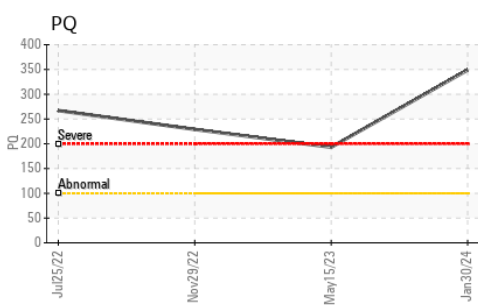
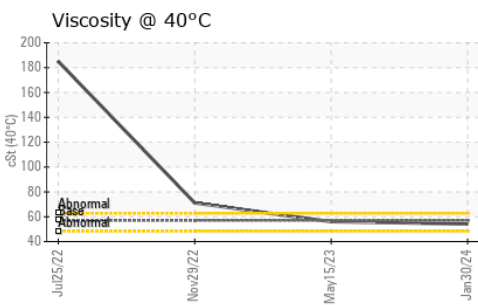
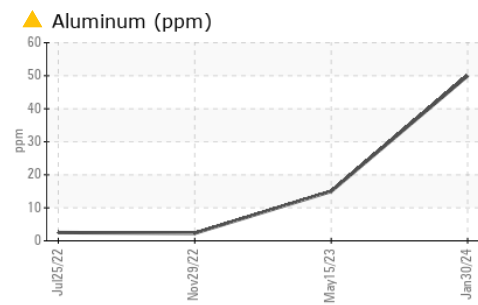
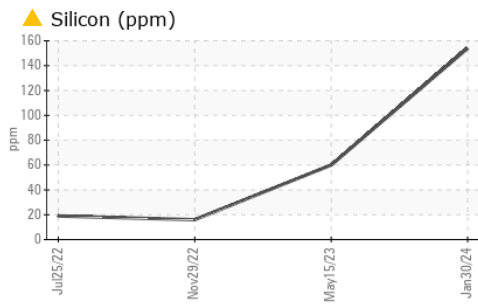
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0044815	LEC0037491	LEC0034498
Sample Date		Client Info		30 Jan 2024	15 May 2023	29 Nov 2022
Machine Age	hrs	Client Info		2200	1512	987
Oil Age	hrs	Client Info		688	525	456
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
PQ		ASTM D8184		349	193	229
Iron	ppm	ASTM D5185m	>1250	427	346	273
Chromium	ppm	ASTM D5185m	>10	5	6	5
Nickel	ppm	ASTM D5185m	>10	1	2	0
Titanium	ppm	ASTM D5185m		4	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		▲ 50	▲ 15	2
Lead	ppm	ASTM D5185m		<1	<1	<1
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m		<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m		▲ 154	▲ 60	16
Potassium	ppm	ASTM D5185m	>20	10	4	<1
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
Sodium	ppm	ASTM D5185m		1	<1	<1
Boron	ppm	ASTM D5185m	6	2	11	31
Barium	ppm	ASTM D5185m	0	<1	0	2
Molybdenum	ppm	ASTM D5185m	0	0	2	3
Manganese	ppm	ASTM D5185m		5	4	4
Magnesium	ppm	ASTM D5185m	145	97	101	86
Calcium	ppm	ASTM D5185m	3570	3178	3285	2774
Phosphorus	ppm	ASTM D5185m	1290	949	988	891
Zinc	ppm	ASTM D5185m	1640	1153	1210	985
Sulfur	ppm	ASTM D5185m		3375	4835	6747
Visc @ 40°C	cSt	ASTM D445	57.0	54.1	56.0	▲ 71.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0044815 **Received** : 01 Feb 2024
Lab Number : 06077155 **Tested** : 02 Feb 2024
Unique Number : 10859246 **Diagnosed** : 03 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)