



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 350G 1FF350GXAKF814122
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		LEC0046700	LEC0041103	LEC0034293
Sample Date		Client Info		24 Feb 2024	29 Jun 2023	02 Nov 2022
Machine Age	hrs	Client Info		2136	1519	929
Oil Age	hrs	Client Info		617	590	492
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

WEAR

All component wear rates are normal.

PQ		ASTM D8184		175	288	86
Iron	ppm	ASTM D5185m	>1250	379	522	141
Chromium	ppm	ASTM D5185m	>10	4	7	3
Nickel	ppm	ASTM D5185m	>10	1	1	0
Titanium	ppm	ASTM D5185m		2	6	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		▲ 42	● 118	5
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		1	2	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

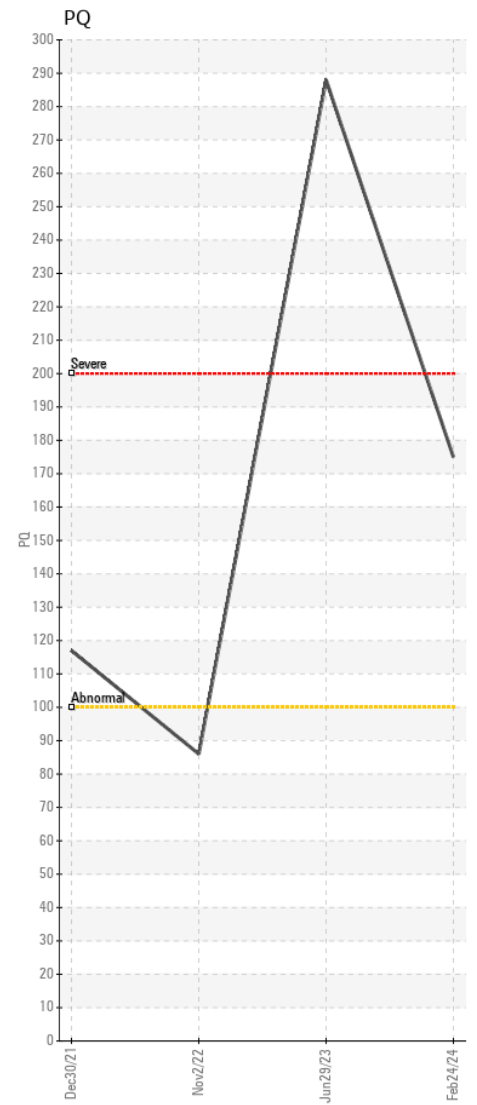
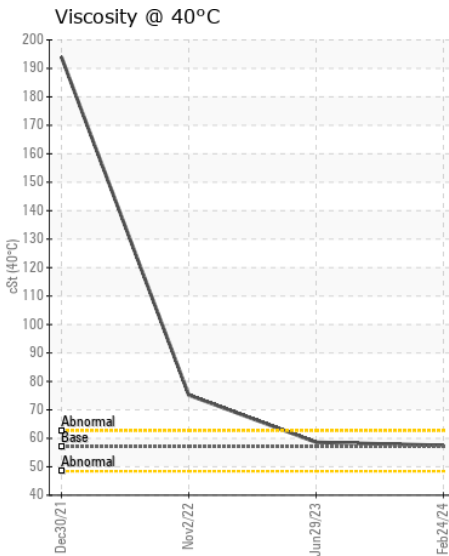
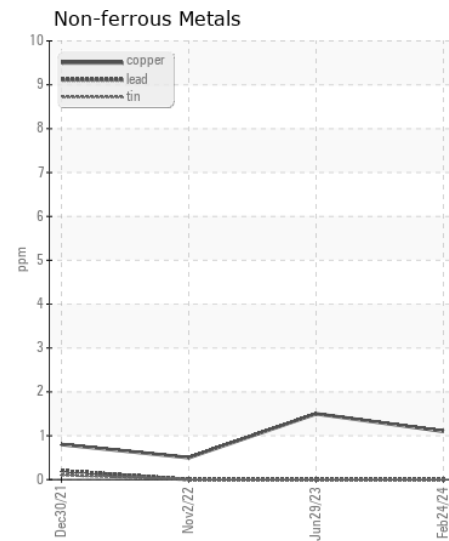
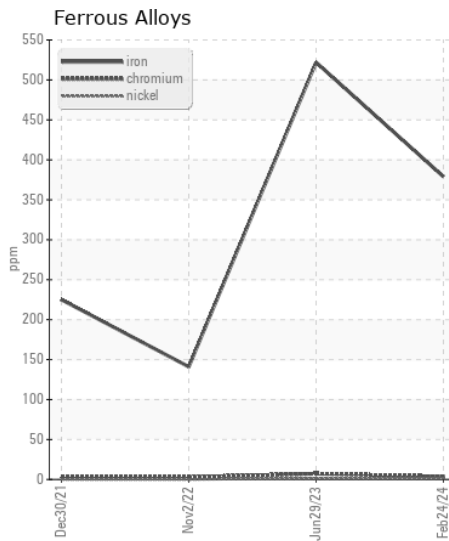
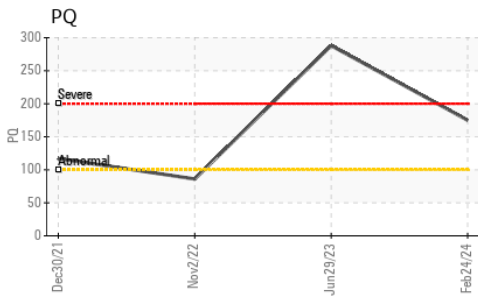
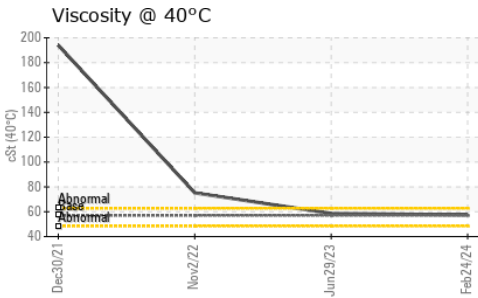
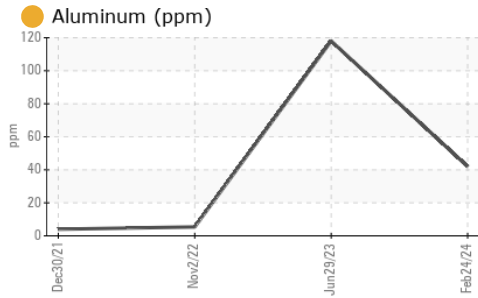
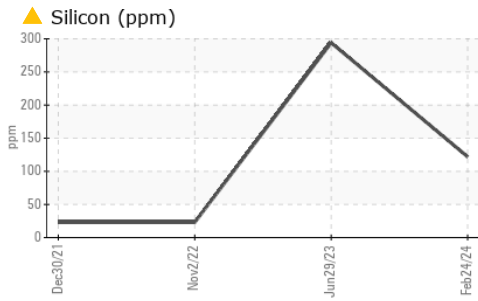
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		122	▲ 294	23
Potassium	ppm	ASTM D5185m	>20	12	29	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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		1	4	0
Boron	ppm	ASTM D5185m	6	1	11	34
Barium	ppm	ASTM D5185m	0	0	0	4
Molybdenum	ppm	ASTM D5185m	0	<1	2	3
Manganese	ppm	ASTM D5185m		4	8	3
Magnesium	ppm	ASTM D5185m	145	105	● 107	● 79
Calcium	ppm	ASTM D5185m	3570	3540	● 3407	● 2555
Phosphorus	ppm	ASTM D5185m	1290	954	● 1026	● 886
Zinc	ppm	ASTM D5185m	1640	1265	● 1246	● 933
Sulfur	ppm	ASTM D5185m		3755	● 5324	● 7500
Visc @ 40°C	cSt	ASTM D445	57.0	57.5	● 58.6	● 75.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046700 **Received** : 28 Feb 2024
Lab Number : 06103255 **Tested** : 01 Mar 2024
Unique Number : 10901485 **Diagnosed** : 01 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

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)

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