



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area

Store 4 - Fairmont

Machine Id

JOHN DEERE 35G 1FF035GXPGK277166

Component

Right Propel Gearbox

Fluid

JOHN DEERE HY-GARD HYD/TRANS (0 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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

CONTAMINATION

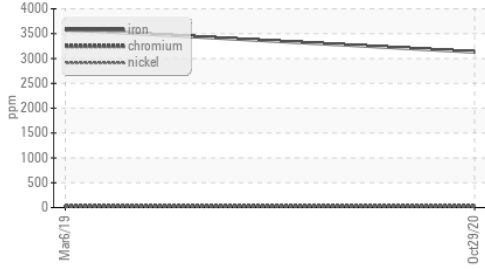
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

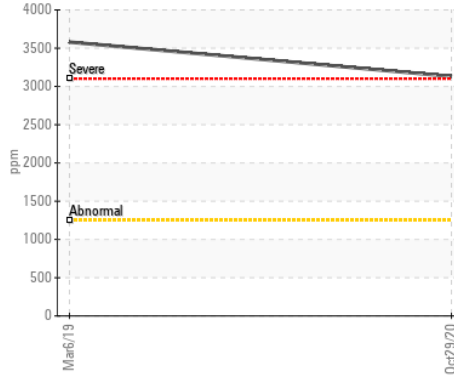
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0016374	LECP193393	---
Sample Date		Client Info		29 Oct 2020	06 Mar 2019	---
Machine Age	hrs	Client Info		997	500	---
Oil Age	hrs	Client Info		497	500	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184		696	2437	---
Iron	ppm	ASTM D5185m	>1250	▲ 3131	▲ 3580	---
Chromium	ppm	ASTM D5185m		▲ 31	▲ 44	---
Nickel	ppm	ASTM D5185m		▲ 20	▲ 12	---
Titanium	ppm	ASTM D5185m		19	▲ 42	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		● 244	● 609	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m		16	19	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		<1	1	---
White Metal	scalar	*Visual	NONE	MODER	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m		▲ 901	▲ 1890	---
Potassium	ppm	ASTM D5185m	>20	58	132	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	---
Sodium	ppm	ASTM D5185m		9	23	---
Boron	ppm	ASTM D5185m	6	51	11	---
Barium	ppm	ASTM D5185m	0	3	16	---
Molybdenum	ppm	ASTM D5185m	0	42	<1	---
Manganese	ppm	ASTM D5185m		25	40	---
Magnesium	ppm	ASTM D5185m	145	200	54	---
Calcium	ppm	ASTM D5185m	3570	3256	3446	---
Phosphorus	ppm	ASTM D5185m	1290	1001	487	---
Zinc	ppm	ASTM D5185m	1640	1164	590	---
Sulfur	ppm	ASTM D5185m		3326	1728	---
Visc @ 40°C	cSt	ASTM D445	57.0	71.1	93.35	---

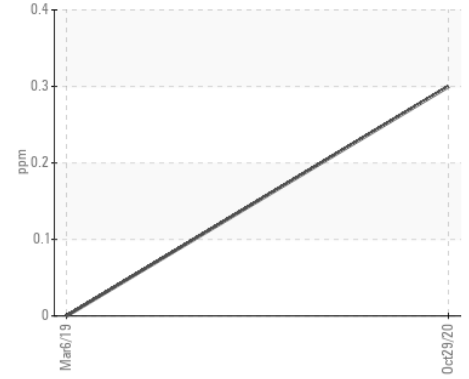
▲ Ferrous Alloys



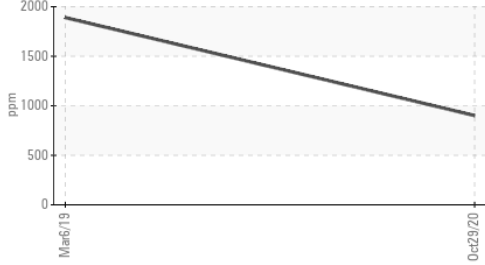
▲ Iron (ppm)



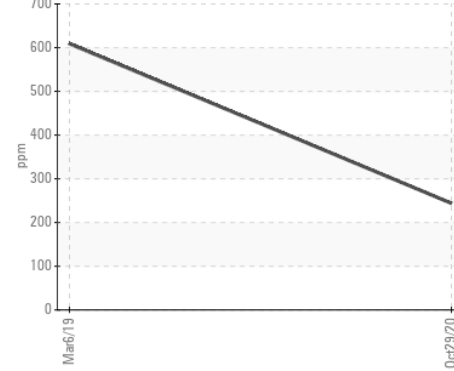
Lead (ppm)



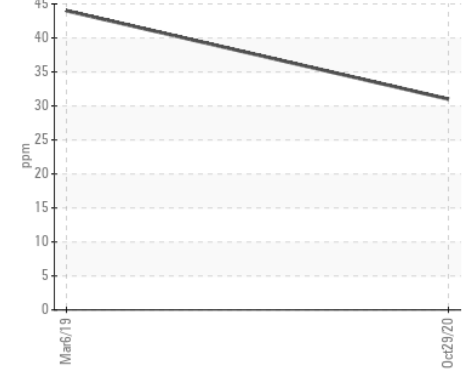
▲ Silicon (ppm)



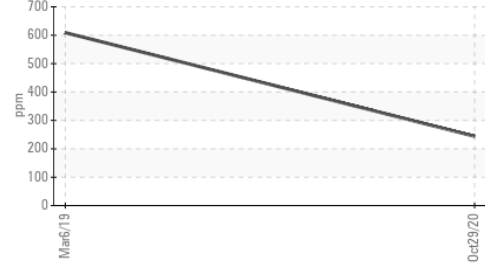
● Aluminum (ppm)



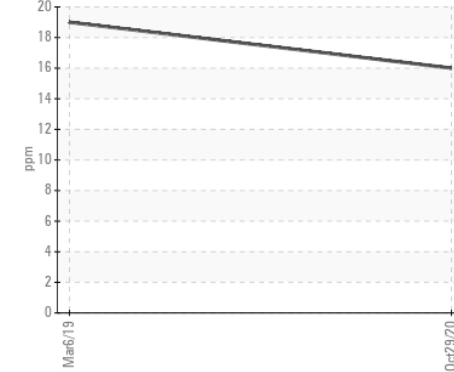
▲ Chromium (ppm)



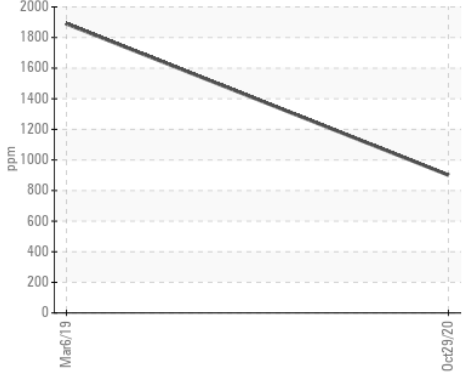
● Aluminum (ppm)



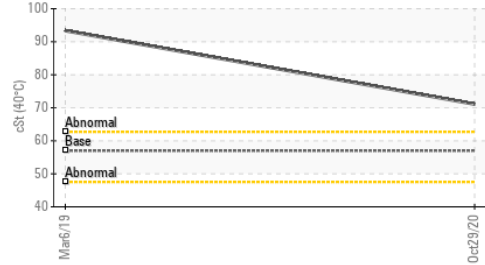
Copper (ppm)



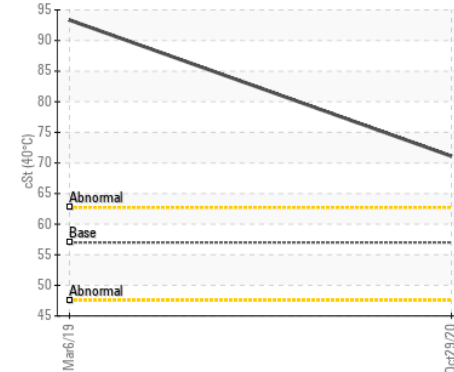
▲ Silicon (ppm)



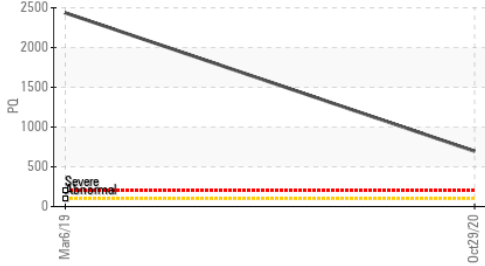
Viscosity @ 40°C



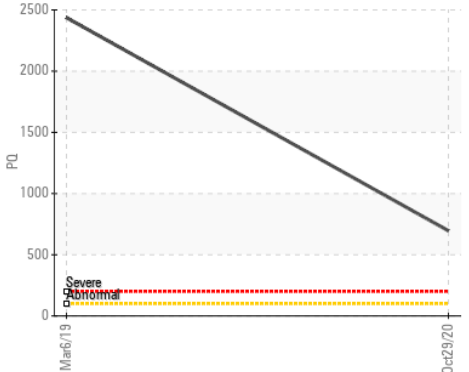
Viscosity @ 40°C



PQ



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0016374 **Received** : 02 Nov 2020
Lab Number : 05106075 **Tested** : 03 Nov 2020
Unique Number : 9241334 **Diagnosed** : 04 Nov 2020 - Don Baldrige
Test Package : MOBCE (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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