



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Store 4 - Fairmont

Machine Id

JOHN DEERE 35G 1FF035GXPGK277166

Component

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 15W40 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0016371	LECP192026	---
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		497	500	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>51	29	71	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>31	0	5	---
Lead	ppm	ASTM D5185m	>26	2	4	---
Copper	ppm	ASTM D5185m	>26	4	13	---
Tin	ppm	ASTM D5185m	>4	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

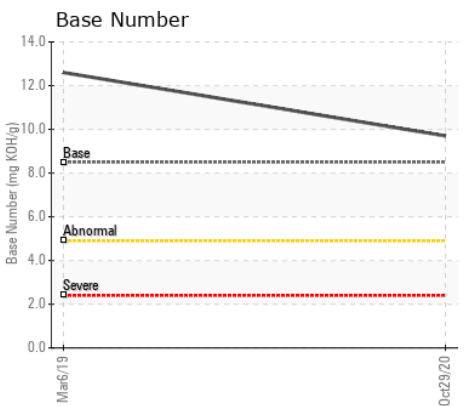
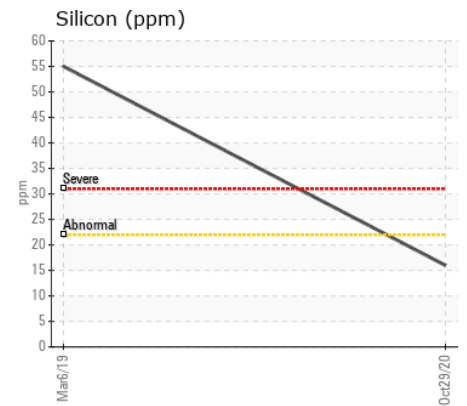
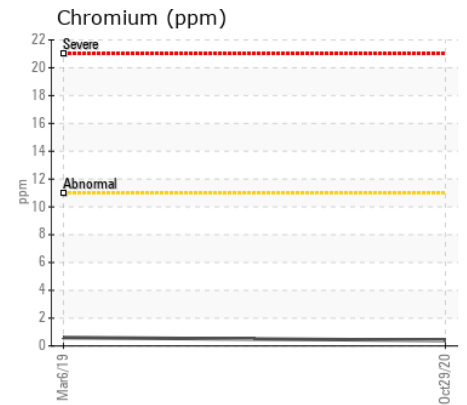
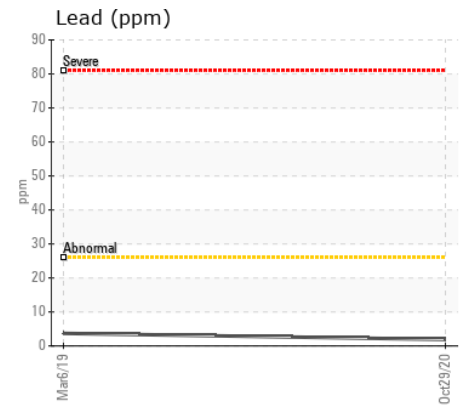
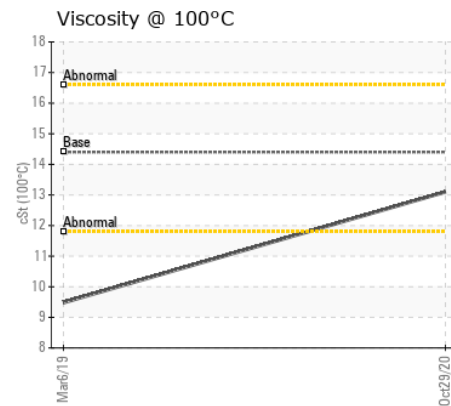
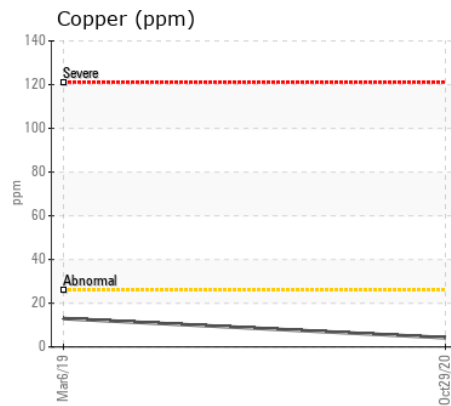
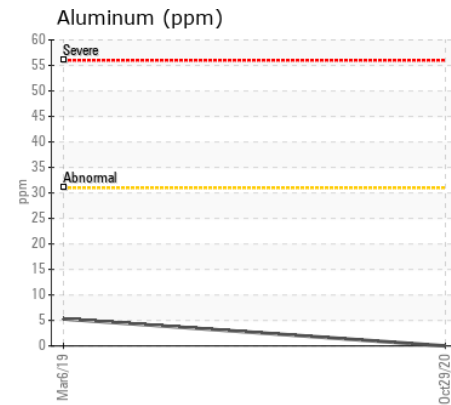
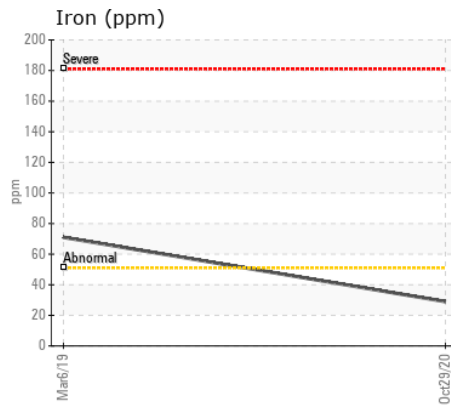
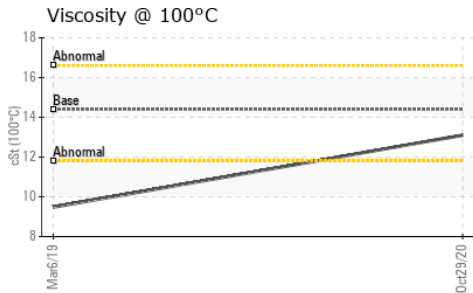
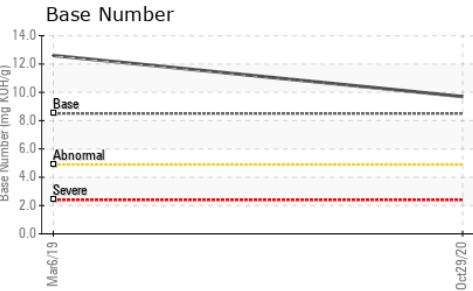
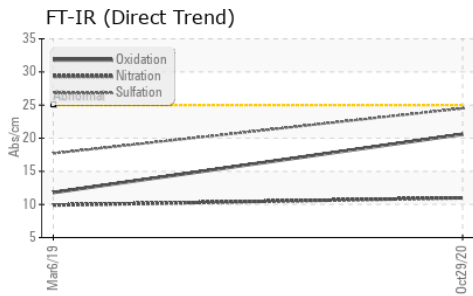
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	16	55	---
Potassium	ppm	ASTM D5185m	>20	<1	3	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.6	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	11	9.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5	17.7	---
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	>0.21	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>158	<1	16	---
Boron	ppm	ASTM D5185m	250	206	36	---
Barium	ppm	ASTM D5185m	10	<1	5	---
Molybdenum	ppm	ASTM D5185m	100	244	97	---
Manganese	ppm	ASTM D5185m		<1	5	---
Magnesium	ppm	ASTM D5185m	450	701	14	---
Calcium	ppm	ASTM D5185m	3000	1786	4167	---
Phosphorus	ppm	ASTM D5185m	1150	972	992	---
Zinc	ppm	ASTM D5185m	1350	1101	1247	---
Sulfur	ppm	ASTM D5185m	4250	2929	5780	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	11.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.7	12.6	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	9.48	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0016371 **Received** : 02 Nov 2020
Lab Number : 05106190 **Tested** : 03 Nov 2020
Unique Number : 9241449 **Diagnosed** : 03 Nov 2020 - Wes Davis
Test Package : MOBCE (Additional Tests: TBN)

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)

T:
F: (740)373-5570