



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 1 - Cowen [111907]
Machine Id
JOHN DEERE 335D 1T0335DXJFC275979
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (1 GAL)

RECOMMENDATION

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		LEC0017118	LEC0008608	LECP183334
Sample Date		Client Info		21 Dec 2020	09 Mar 2020	25 Feb 2019
Machine Age	hrs	Client Info		2928	2462	1950
Oil Age	hrs	Client Info		2320	854	1342
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		29	51	39
Iron	ppm	ASTM D5185m	>151	59	63	62
Chromium	ppm	ASTM D5185m	>11	1	2	2
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	<1	<1
Lead	ppm	ASTM D5185m	>51	1	0	0
Copper	ppm	ASTM D5185m	>51	56	52	43
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

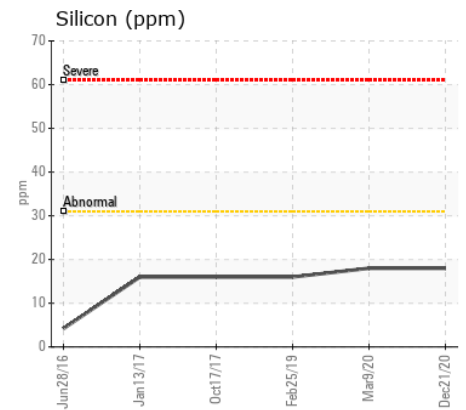
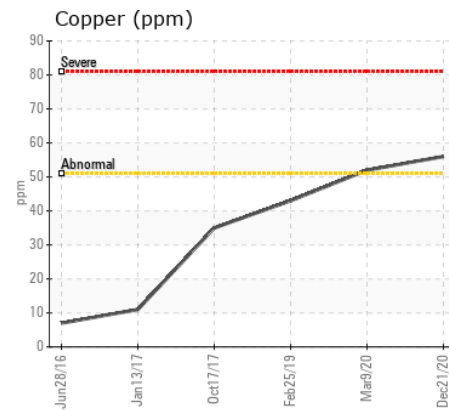
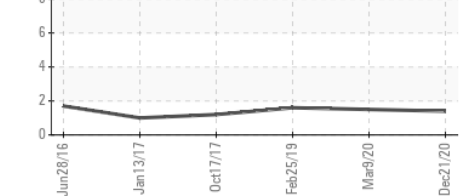
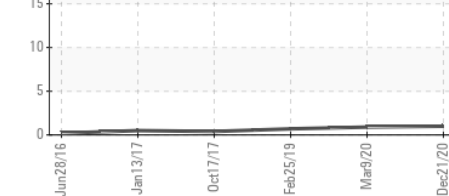
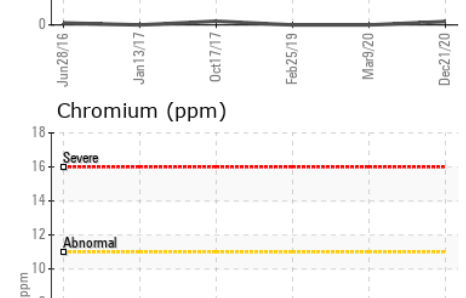
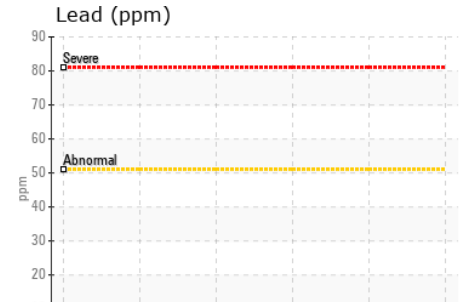
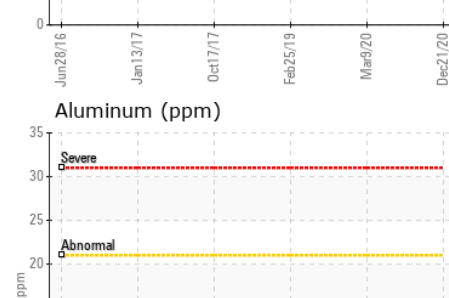
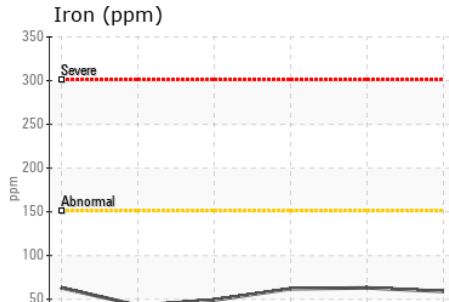
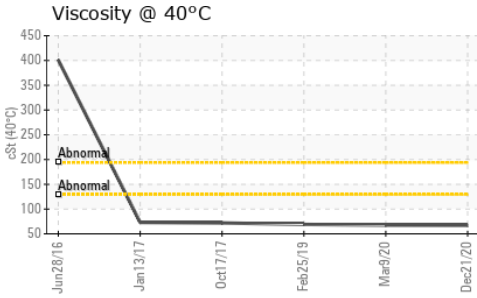
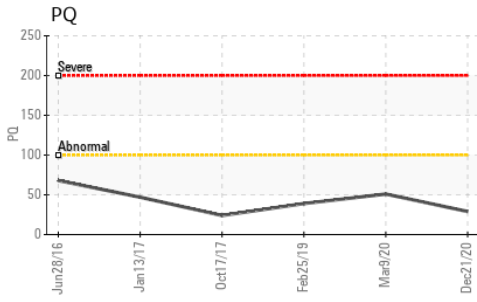
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	18	18	16
Potassium	ppm	ASTM D5185m	>20	16	1	5
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ HEAVY	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	2	3
Boron	ppm	ASTM D5185m		<1	2	<1
Barium	ppm	ASTM D5185m		0	1	2
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		75	83	89
Calcium	ppm	ASTM D5185m		2759	2961	3055
Phosphorus	ppm	ASTM D5185m		899	973	982
Zinc	ppm	ASTM D5185m		994	1068	1099
Sulfur	ppm	ASTM D5185m		6318	6577	7010
Visc @ 40°C	cSt	ASTM D445		66.9	67.4	69.00



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0017118 **Received** : 24 Dec 2020
Lab Number : 05144838 **Tested** : 28 Dec 2020
Unique Number : 9300113 **Diagnosed** : 28 Dec 2020 - Doug Bogart
Test Package : MOBCE (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendallLeanne@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)