



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Store 9 - Marietta**  
Machine Id  
**935200767**  
Component  
**Hydraulic System**  
Fluid  
**ATF (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0028504</b>	LEC0007175	---
Sample Date		Client Info		<b>16 Mar 2022</b>	14 Oct 2019	---
Machine Age	hrs	Client Info		<b>911</b>	429	---
Oil Age	hrs	Client Info		<b>911</b>	429	---
Filter Age	hrs	Client Info		<b>911</b>	429	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>16</b>	8	---
Iron	ppm	ASTM D5185m	>20	<b>6</b>	4	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	2	---
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>10	<b>8</b>	7	---
Copper	ppm	ASTM D5185m	>75	<b>25</b>	19	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

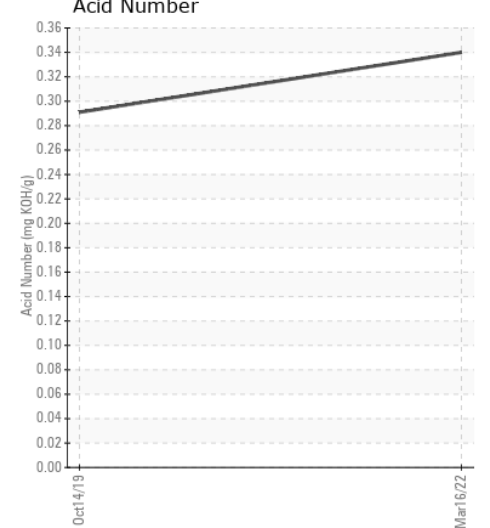
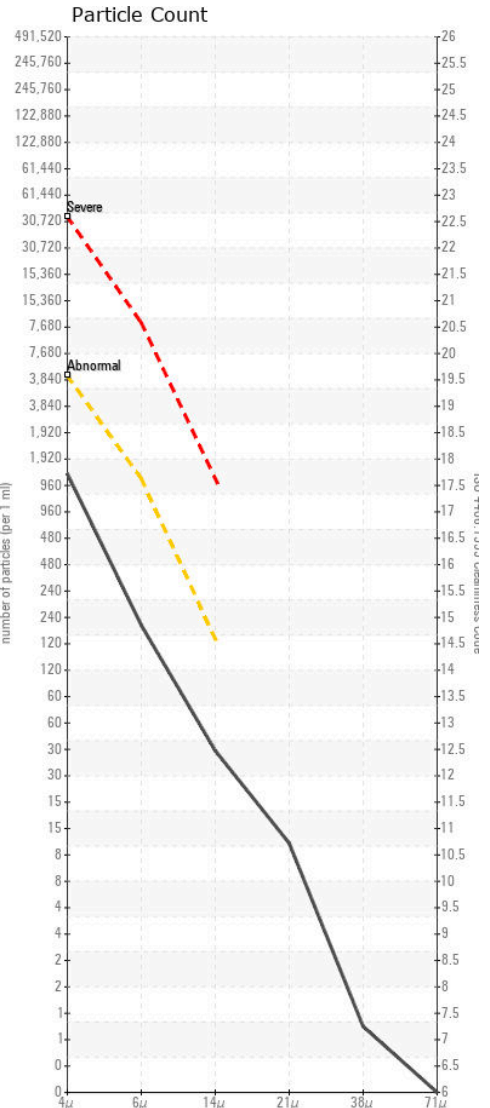
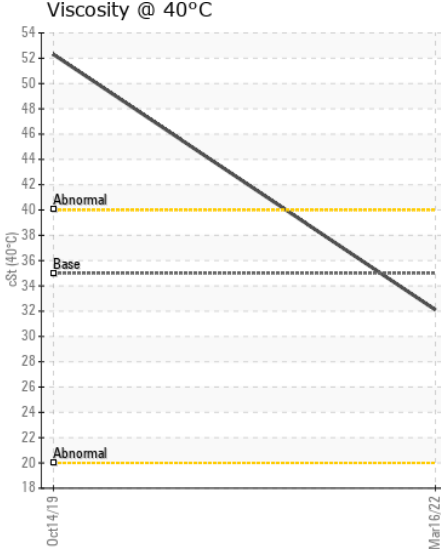
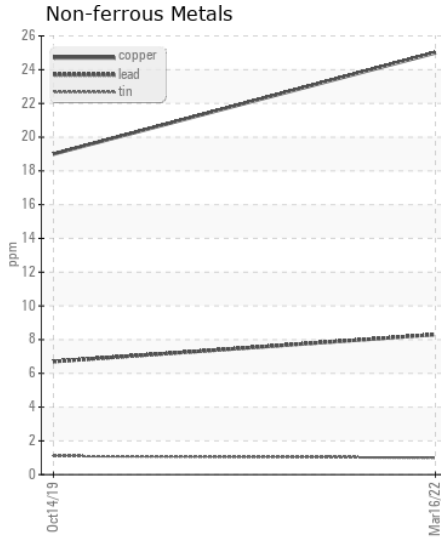
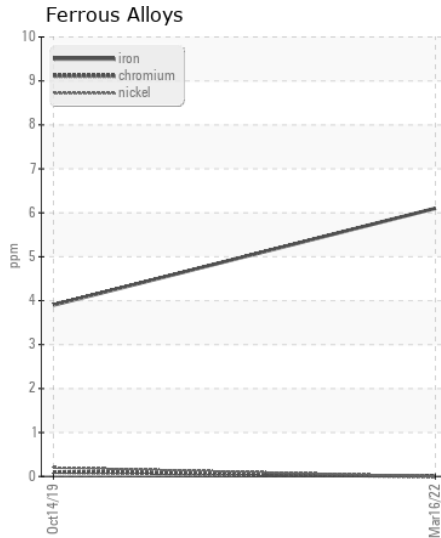
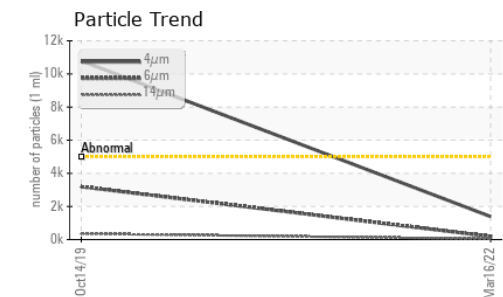
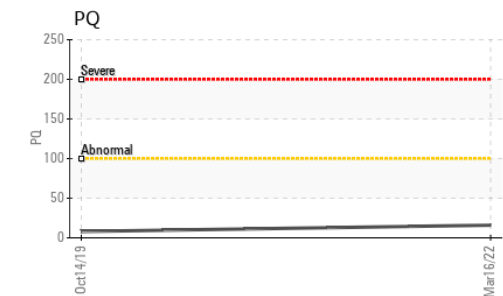
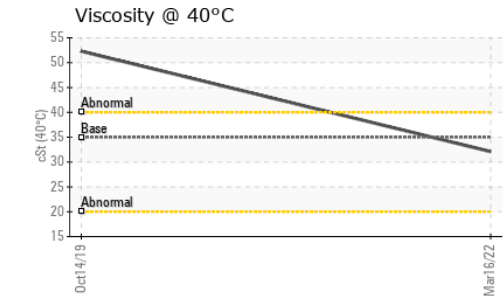
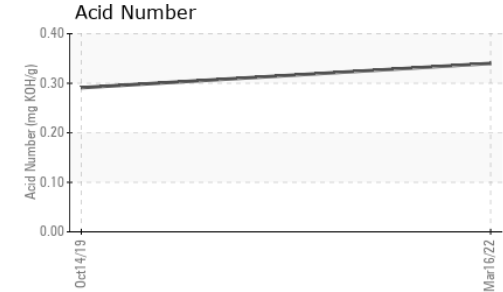
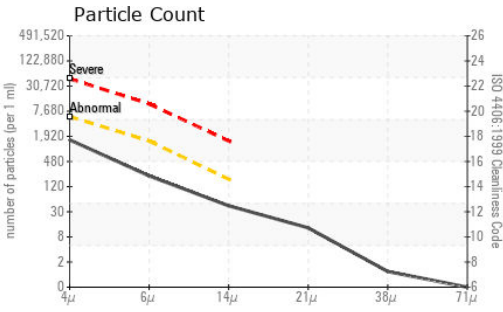
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>1387</b>	▲ 10793	---
Particles >6µm		ASTM D7647	>1300	<b>191</b>	▲ 3192	---
Particles >14µm		ASTM D7647	>160	<b>37</b>	▲ 356	---
Particles >21µm		ASTM D7647	>40	<b>11</b>	▲ 106	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	3	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/15/12</b>	▲ 21/19/16	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Boron	ppm	ASTM D5185m		<b>0</b>	<1	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>115</b>	104	---
Calcium	ppm	ASTM D5185m		<b>34</b>	14	---
Phosphorus	ppm	ASTM D5185m		<b>403</b>	343	---
Zinc	ppm	ASTM D5185m		<b>313</b>	302	---
Sulfur	ppm	ASTM D5185m		<b>1305</b>	1140	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.34</b>	0.291	---
Visc @ 40°C	cSt	ASTM D445	35.0	<b>32.1</b>	52.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0028504 **Received** : 18 Mar 2022  
**Lab Number** : 05495632 **Tested** : 23 Mar 2022  
**Unique Number** : 9894852 **Diagnosed** : 23 Mar 2022 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 US 45750-9765  
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 KendalLeanne@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)