



OIL ANALYSIS REPORT

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

Area  
**Store 8 - Pikeville [148906]**  
 Machine Id  
**KLEEMANN MC100Ri K011.0035**  
 Component  
**Discharge Gearbox**  
 Fluid  
**WIRTGEN GROUP 75W90 (1 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0044174</b>	LEC0042257	LEC0037797
Sample Date		Client Info		<b>19 Mar 2024</b>	18 Jul 2023	19 Dec 2022
Machine Age	hrs	Client Info		<b>1896</b>	1401	756
Oil Age	hrs	Client Info		<b>495</b>	645	756
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>ATTENTION</b>	ATTENTION	ATTENTION

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>17</b>	38	29
Iron	ppm	ASTM D5185m	>200	<b>9</b>	36	1
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>9</b>	3	<1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185m	>200	<b>2</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	4
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

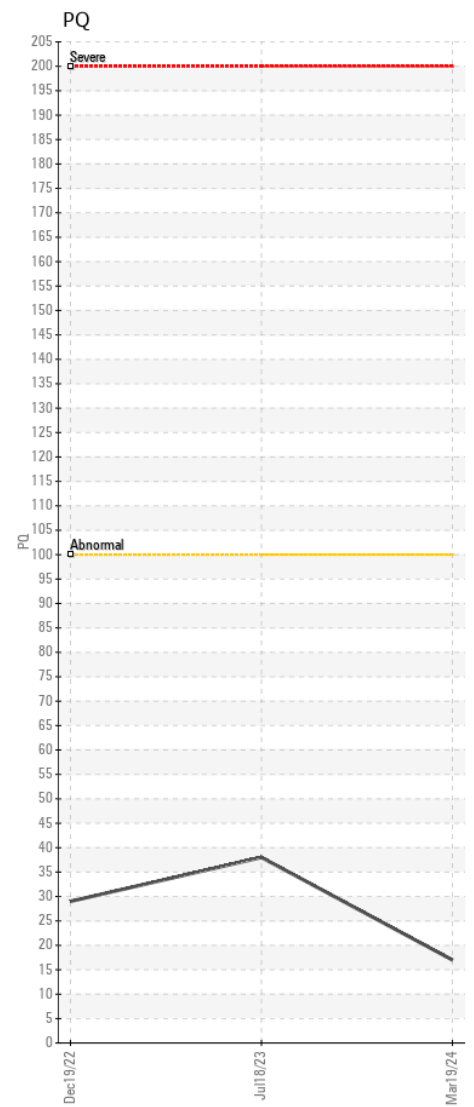
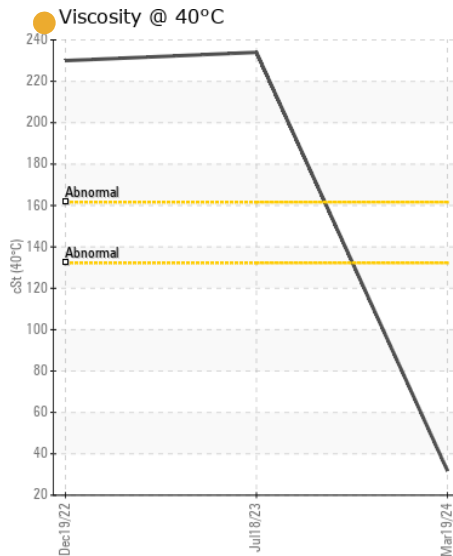
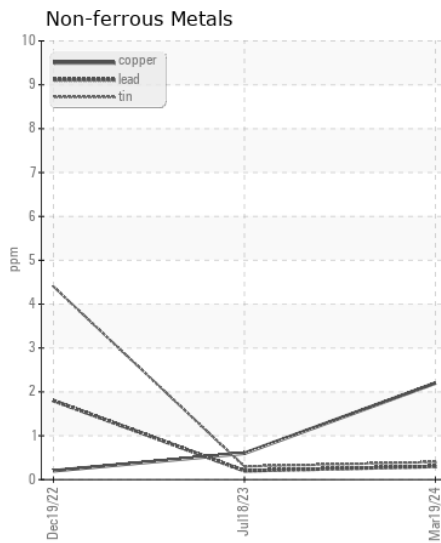
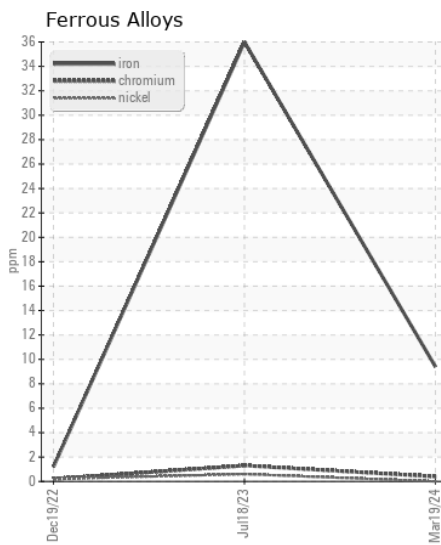
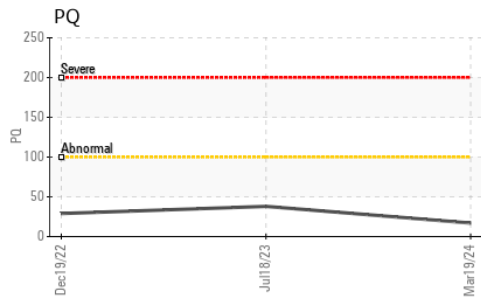
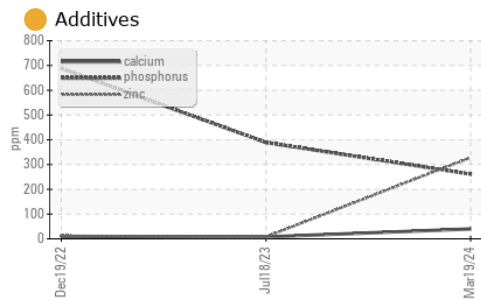
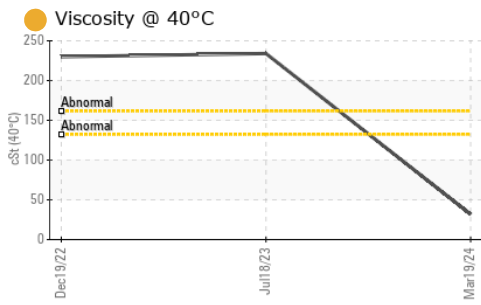
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>2</b>	8	1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	5
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>0</b>	4	0
Boron	ppm	ASTM D5185m		<b>0</b>	13	2
Barium	ppm	ASTM D5185m		<b>1</b>	3	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Magnesium	ppm	ASTM D5185m		<b>16</b>	2	3
Calcium	ppm	ASTM D5185m		<b>40</b>	8	10
Phosphorus	ppm	ASTM D5185m		<b>261</b>	389	688
Zinc	ppm	ASTM D5185m		<b>328</b>	8	12
Sulfur	ppm	ASTM D5185m		<b>1769</b>	6157	983
Visc @ 40°C	cSt	ASTM D445		<b>31.9</b>	234	230



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0044174 **Received** : 21 Mar 2024  
**Lab Number** : 06125172 **Tested** : 25 Mar 2024  
**Unique Number** : 10939323 **Diagnosed** : 25 Mar 2024 - Sean Felton  
**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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