



# OIL ANALYSIS REPORT

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

Area  
**Store 8 - Pikeville [148906]**  
 Machine Id  
**KLEEMANN MC100Ri K011.0035**  
 Component  
**Right Propel 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>LEC0044177</b>	LEC0042259	LEC0037799
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>N/A</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>34</b>	68	187
Iron	ppm	ASTM D5185m	>200	<b>35</b>	80	231
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	4	13
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>3</b>	0	2
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m		<b>1</b>	2	3
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

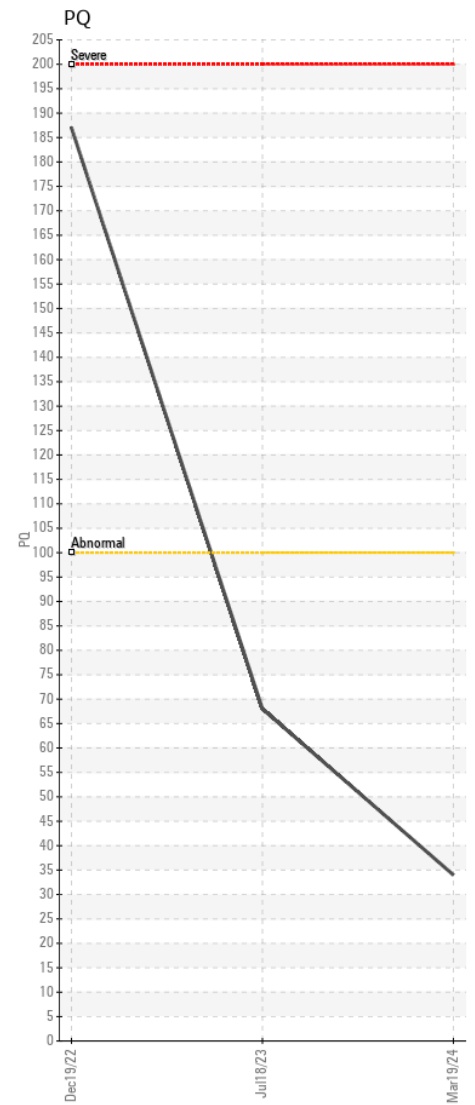
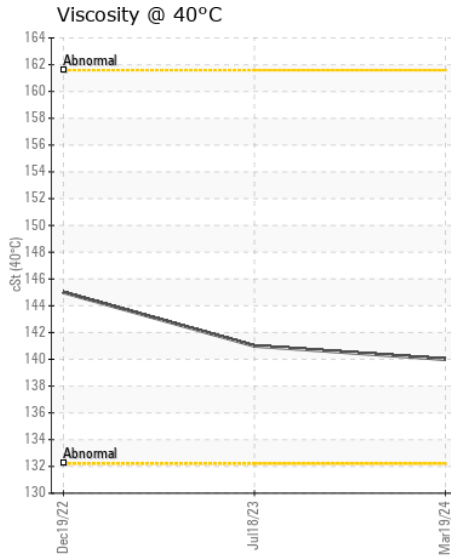
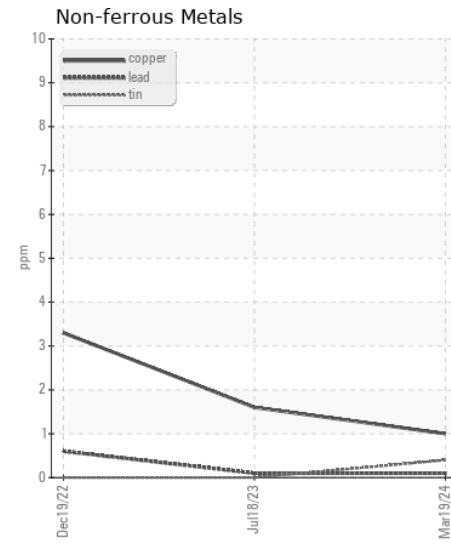
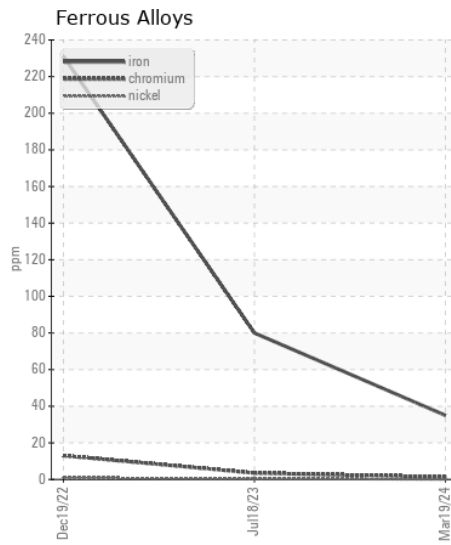
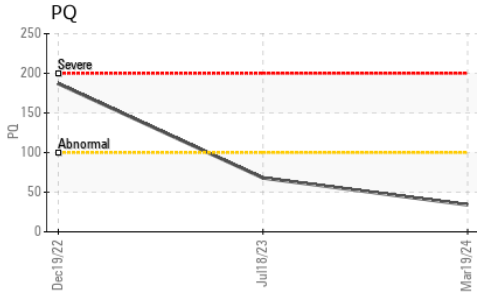
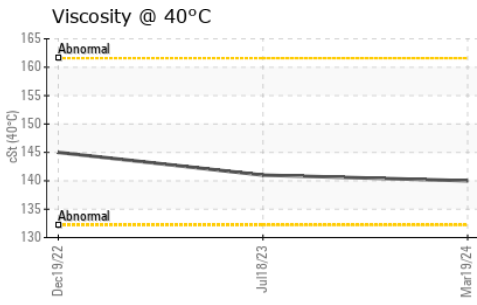
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>2</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	7
Boron	ppm	ASTM D5185m		<b>0</b>	3	<1
Barium	ppm	ASTM D5185m		<b>2</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	3	11
Magnesium	ppm	ASTM D5185m		<b>1</b>	1	2
Calcium	ppm	ASTM D5185m		<b>12</b>	7	15
Phosphorus	ppm	ASTM D5185m		<b>338</b>	366	367
Zinc	ppm	ASTM D5185m		<b>8</b>	8	20
Sulfur	ppm	ASTM D5185m		<b>22415</b>	23168	25056
Visc @ 40°C	cSt	ASTM D445		<b>140</b>	141	145



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0044177 **Received** : 21 Mar 2024  
**Lab Number** : 06125171 **Tested** : 25 Mar 2024  
**Unique Number** : 10939322 **Diagnosed** : 25 Mar 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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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