



# OIL ANALYSIS REPORT

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

Area  
**Store 8 - Pikeville [114485]**  
 Machine Id  
**WGH0H235THAA01029**  
 Component  
**Left Drum Gearbox**  
 Fluid  
**WIRTGEN GROUP GEAR OIL 85W90 (4 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0019532</b>	---	---
Sample Date		Client Info		<b>18 Mar 2021</b>	---	---
Machine Age	hrs	Client Info		<b>1165</b>	---	---
Oil Age	hrs	Client Info		<b>1165</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>243</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>965</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>6</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>3</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m		<b>5</b>	---	---
Lead	ppm	ASTM D5185m		<b>14</b>	---	---
Copper	ppm	ASTM D5185m		<b>118</b>	---	---
Tin	ppm	ASTM D5185m		<b>1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

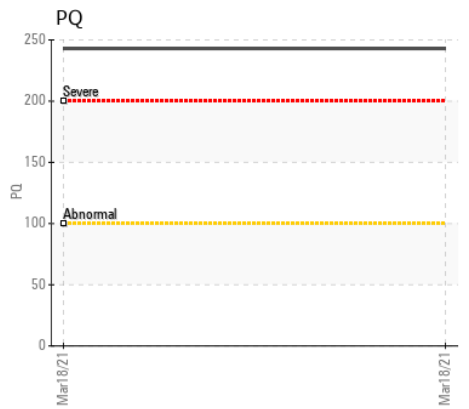
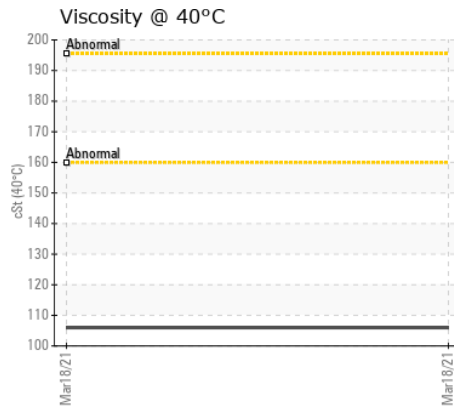
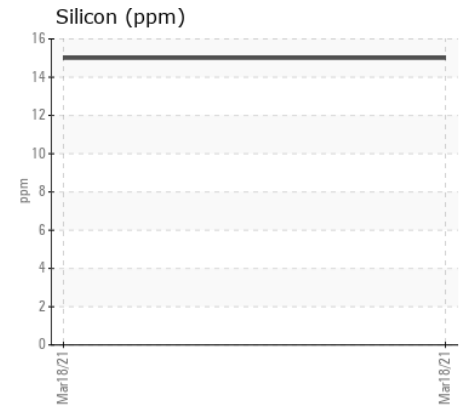
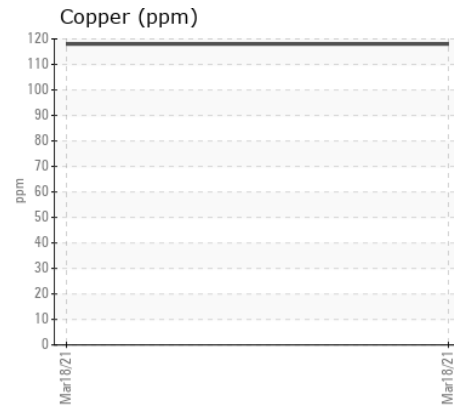
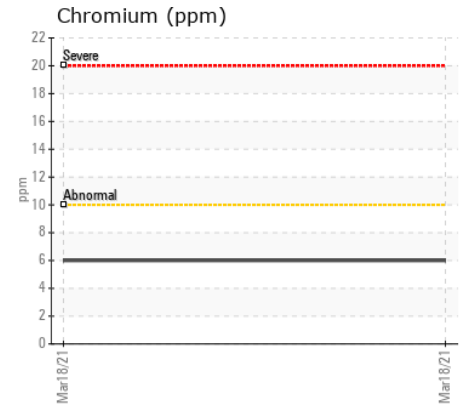
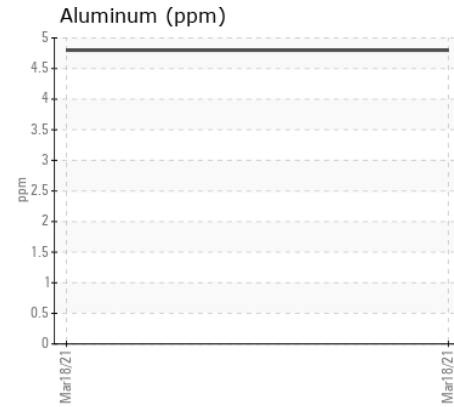
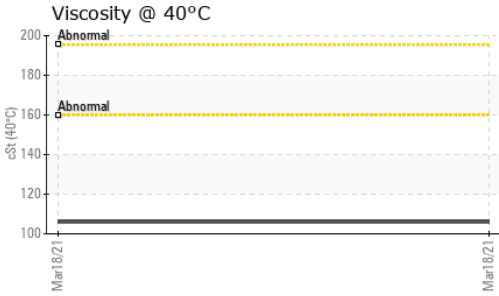
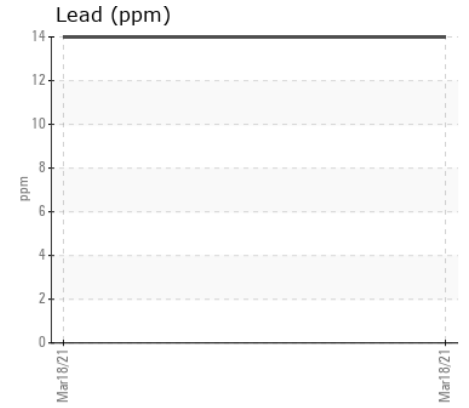
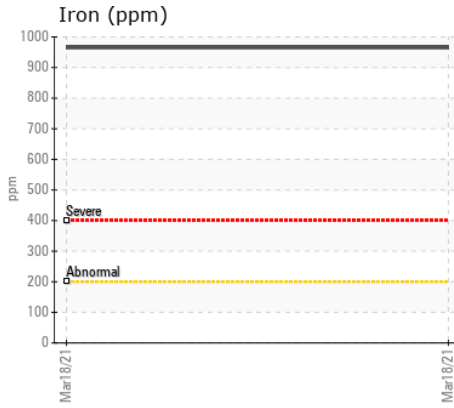
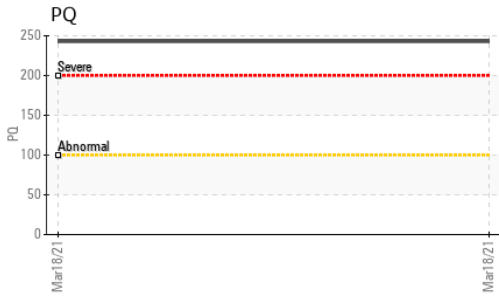
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>15</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>15</b>	---	---
Boron	ppm	ASTM D5185m		<b>45</b>	---	---
Barium	ppm	ASTM D5185m		<b>6</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>9</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>4</b>	---	---
Calcium	ppm	ASTM D5185m		<b>17</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1101</b>	---	---
Zinc	ppm	ASTM D5185m		<b>332</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>22756</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>106</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0019532 **Received** : 23 Mar 2021  
**Lab Number** : 05211346 **Diagnosed** : 26 Mar 2021  
**Unique Number** : 9435239 **Diagnostician** : Jonathan Hester  
**Test Package** : MOBCE ( 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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