

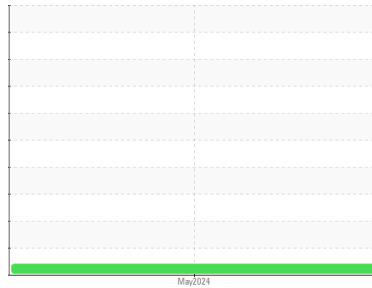


# OIL ANALYSIS REPORT



Area  
**CEC-R**  
 Machine Id  
**LINK-BELT RTC-8065S II J9K4-4083**  
 Component  
**Front Axle**  
 Fluid  
**GEAR OIL SAE 85W140 (5 GAL)**

## Sample Rating Trend



## VISCOSITY



### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>LBC0000222</b>	---	---
Sample Date	Client Info		<b>28 May 2024</b>	---	---
Machine Age	hrs	Client Info	<b>5560</b>	---	---
Oil Age	hrs	Client Info	<b>5560</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	---	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>30</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	<b>28</b>	---
Barium	ppm	ASTM D5185m	200	<b>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m		<b>3</b>	---
Magnesium	ppm	ASTM D5185m	12	<b>1</b>	---
Calcium	ppm	ASTM D5185m	150	<b>22</b>	---
Phosphorus	ppm	ASTM D5185m	1650	<b>626</b>	---
Zinc	ppm	ASTM D5185m	125	<b>13</b>	---
Sulfur	ppm	ASTM D5185m	22500	<b>28692</b>	---

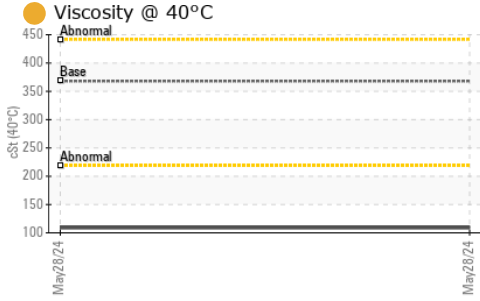
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>2</b>	---
Sodium	ppm	ASTM D5185m		<b>2</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---

### VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</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>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

# OIL ANALYSIS REPORT



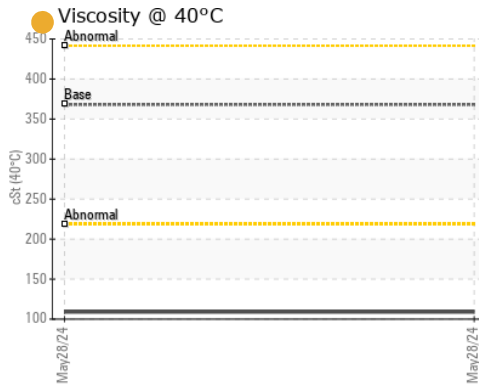
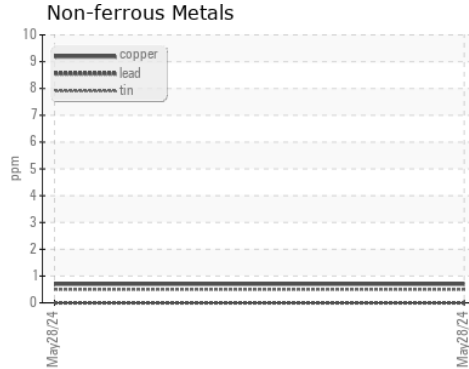
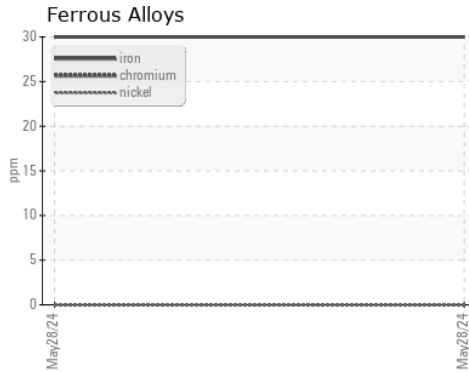
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 368	● 109	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

### GRAPHS



Certificate L2367

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)

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LBC0000222  
**Lab Number** : 06195711  
**Unique Number** : 11057834  
**Test Package** : CONST

**Received** : 30 May 2024  
**Tested** : 31 May 2024  
**Diagnosed** : 01 Jun 2024 - Don Baldrige

**Columbus Equipment Co. - P103900**  
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F: