



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[51131287]**

Machine Id  
**Q1300500 - BINDER DRIVE ROLL**

Component  
**Gearbox**

Fluid  
**LUBRICATION ENG DUOLEC 1606 ISO 320 (21 GAL)**



## DIAGNOSIS

### Recommendation

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0550882</b>	---	---
Sample Date	Client Info		<b>29 Nov 2022</b>	---	---
Machine Age	yrs	Client Info	<b>0</b>	---	---
Oil Age	yrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>25</b>	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	---
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>42</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	---
Calcium	ppm	ASTM D5185m		<b>8</b>	---
Phosphorus	ppm	ASTM D5185m		<b>747</b>	---
Zinc	ppm	ASTM D5185m		<b>15</b>	---
Sulfur	ppm	ASTM D5185m		<b>14289</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>7</b>	---
Sodium	ppm	ASTM D5185m		<b>2</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---

## FLUID DEGRADATION

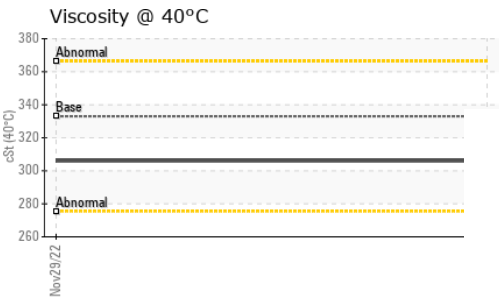
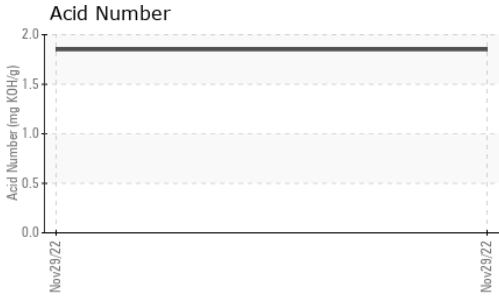
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.85</b>	---

## 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>LIGHT</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>	---



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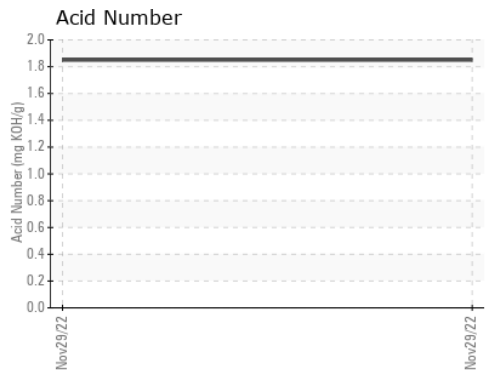
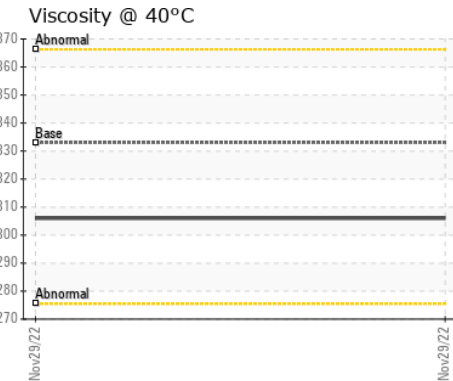
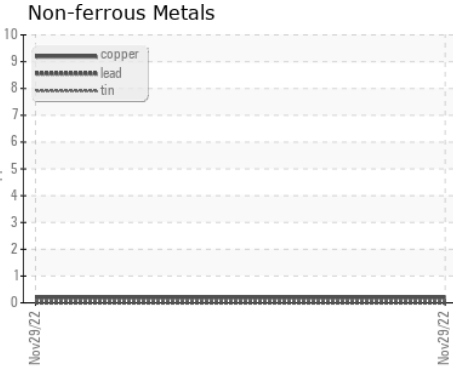
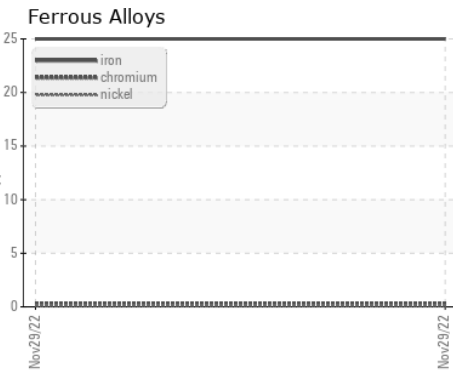


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 333	<b>306</b>	---	---

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

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0550882 Received : 02 Dec 2022  
 Lab Number : **05707280** Diagnosed : 05 Dec 2022  
 Unique Number : 10241855 Diagnostician : Wes Davis  
 Test Package : IND 2

**OWENS CORNING LLC - GASTONIA**  
 1230 GASTONIA TECH PKWY  
 DALLAS, NC  
 US 28034  
 Contact: KYLE WISHLINSKI  
 kyle.wishlinski@owenscorning.com  
 T: (704)691-6195  
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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)