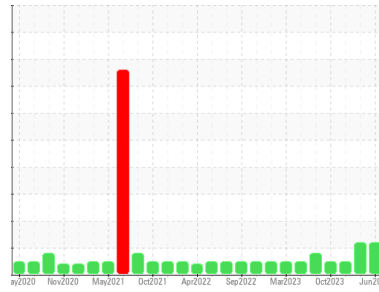




# OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Machine Id  
**PRESS ROLL 4**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 460 (90 GAL)**

## DIAGNOSIS

### Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is at the top-end of the recommended limit.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0904916</b>	WC0873124	WC0819725
Sample Date	Client Info		<b>12 Jun 2024</b>	04 Apr 2024	24 Jan 2024
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>22</b>	19	17
Chromium	ppm	ASTM D5185m >15	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m >100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >200	<b>63</b>	46	39
Tin	ppm	ASTM D5185m >25	<b>3</b>	4	4
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	<b>&lt;1</b>	2	<1
Barium	ppm	ASTM D5185m 15	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m 15	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m 50	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m 50	<b>6</b>	0	8
Phosphorus	ppm	ASTM D5185m 350	<b>444</b>	432	448
Zinc	ppm	ASTM D5185m 100	<b>31</b>	10	18
Sulfur	ppm	ASTM D5185m 12500	<b>8471</b>	9214	7636

## CONTAMINANTS

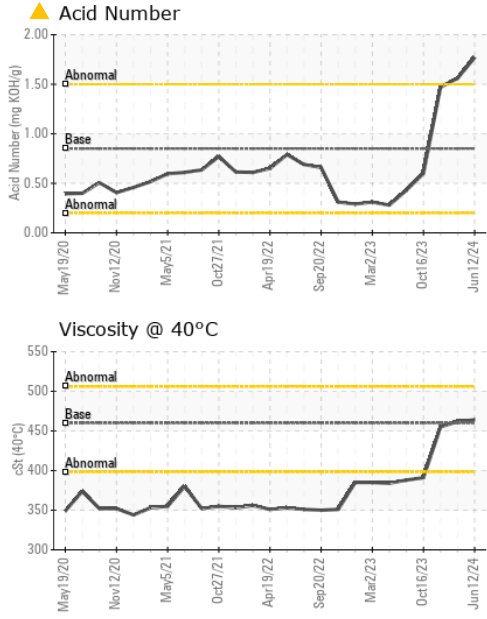
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>3</b>	2	1
Sodium	ppm	ASTM D5185m	<b>2</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	<b>▲ 1.77</b>	▲ 1.56	1.47



# OIL ANALYSIS REPORT

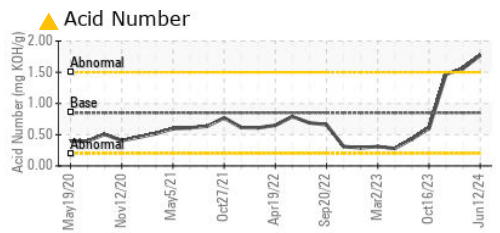
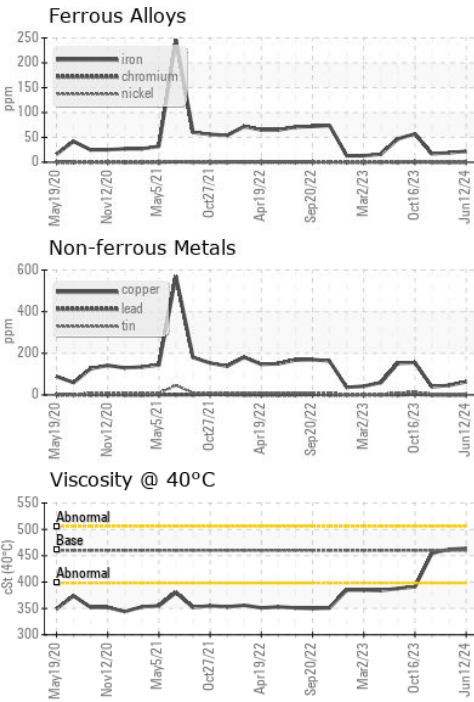


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	462	455

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0904916      **Received** : 17 Jun 2024  
**Lab Number** : 06211856      **Tested** : 18 Jun 2024  
**Unique Number** : 11084720      **Diagnosed** : 19 Jun 2024 - Don Baldrige  
**Test Package** : IND 2

**BLUE RIDGE FIBERBOARD**  
 250 KNIGHT CELOTEX DR  
 DANVILLE, VA  
 US 24541  
 Contact: Jerald Caldwell  
 JCaldwell@blueridgefiberboard.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)