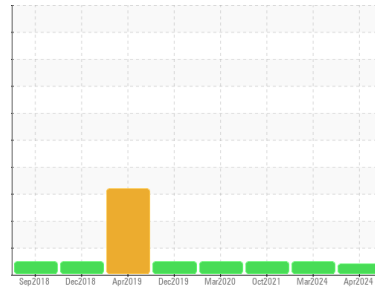




# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Area

### CORRUGATOR

Machine Id

### CORR315-004 LINE 3 (S/N DRE100LC4BESHR1ES7RN)

Component

### Gearbox

Fluid

### GEAR OIL ISO 220 (2 GAL)

#### DIAGNOSIS

##### Recommendation

No corrective action is recommended at this time. 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

Viscosity of sample indicates oil is within ISO 150 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

#### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0643728</b>	WC0754370	WC0578112
Sample Date	Client Info		<b>19 Apr 2024</b>	13 Mar 2024	18 Oct 2021
Machine Age	Client Info		<b>0</b>	0	0
Oil Age	Client Info		<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	NORMAL	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>11</b>	10	8
Chromium	ppm	ASTM D5185m >15	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >100	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185m >25	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	97
Vanadium	ppm	ASTM D5185m	<b>0</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>3</b>	4	5
Barium	ppm	ASTM D5185m 15	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 15	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 50	<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185m 50	<b>12</b>	16	14
Phosphorus	ppm	ASTM D5185m 350	<b>359</b>	380	371
Zinc	ppm	ASTM D5185m 100	<b>&lt;1</b>	1	3
Sulfur	ppm	ASTM D5185m 12500	<b>7066</b>	7053	5279

#### CONTAMINANTS

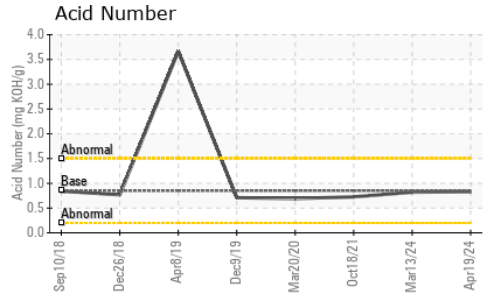
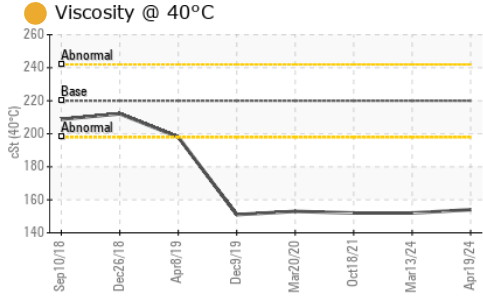
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>2</b>	3	2
Sodium	ppm	ASTM D5185m	<b>1</b>	1	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	<1

#### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	<b>0.83</b>	0.82	0.726



# OIL ANALYSIS REPORT



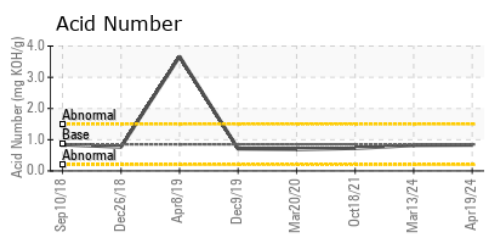
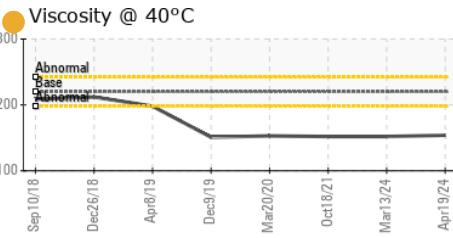
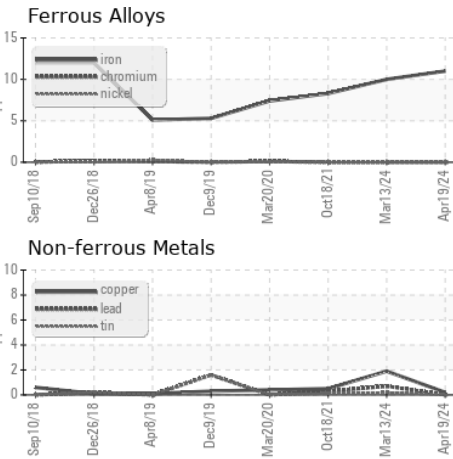
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	220 ● 154	152	152

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0643728      **Received** : 26 Apr 2024  
**Lab Number** : 06161643      **Tested** : 29 Apr 2024  
**Unique Number** : 10997066      **Diagnosed** : 01 May 2024 - Jonathan Hester  
**Test Package** : IND 2

**PRINSCO - BERESFORD**  
 600 NORTH 16TH ST  
 BERESFORD, SD  
 US 57004  
 Contact: CHRIS SETNAR  
 christopher.setnar@prinsco.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)