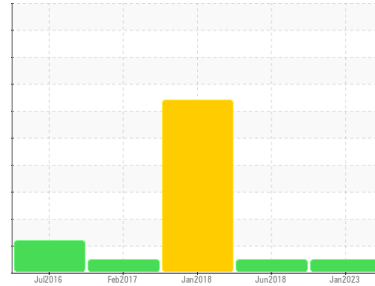




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**31 WOODROOM**  
 Machine Id  
**312640 CHIPPER DISCHARGE CONVEYOR**  
 Component  
**Gear Reducer**  
 Fluid  
**GEAR OIL ISO 220 (--- GAL)**

## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### 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>WC</b>	WC	WC
Sample Date	Client Info	<b>05 Jan 2023</b>	22 Jun 2018	17 Jan 2018
Machine Age	days	<b>0</b>	0	0
Oil Age	days	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	SEVERE

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>0</b>	38	91
Iron	ppm ASTM D5185(m) >250	<b>7</b>	72	615
Chromium	ppm ASTM D5185(m) >5	<b>0</b>	0	3
Nickel	ppm ASTM D5185(m) >5	<b>0</b>	<1	3
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm ASTM D5185(m) >20	<b>0</b>	0	<1
Lead	ppm ASTM D5185(m) >50	<b>0</b>	<1	0
Copper	ppm ASTM D5185(m) >50	<b>&lt;1</b>	<1	1
Tin	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m) >5	<b>&lt;1</b>	0	<1
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 50	<b>32</b>	33	26
Barium	ppm ASTM D5185(m) 15	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185(m) 15	<b>0</b>	0	<1
Manganese	ppm ASTM D5185(m)	<b>0</b>	<1	5
Magnesium	ppm ASTM D5185(m) 50	<b>&lt;1</b>	<1	<1
Calcium	ppm ASTM D5185(m) 50	<b>0</b>	2	4
Phosphorus	ppm ASTM D5185(m) 350	<b>353</b>	311	314
Zinc	ppm ASTM D5185(m) 100	<b>1</b>	<1	1
Sulfur	ppm ASTM D5185(m) 12500	<b>15712</b>	15175	14634
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	<1

## CONTAMINANTS

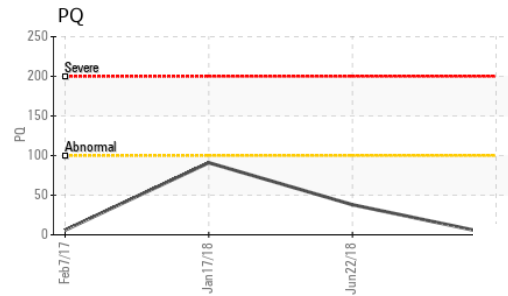
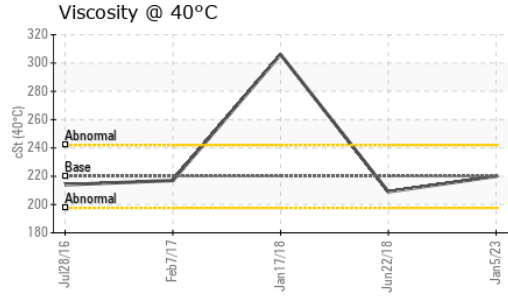
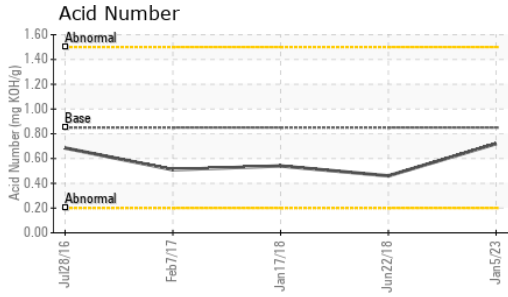
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >60	<b>3</b>	5	9
Sodium	ppm ASTM D5185(m)	<b>0</b>	0	0
Potassium	ppm ASTM D5185(m) >20	<b>0</b>	0	<1

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	<b>0.72</b>	0.46	0.54



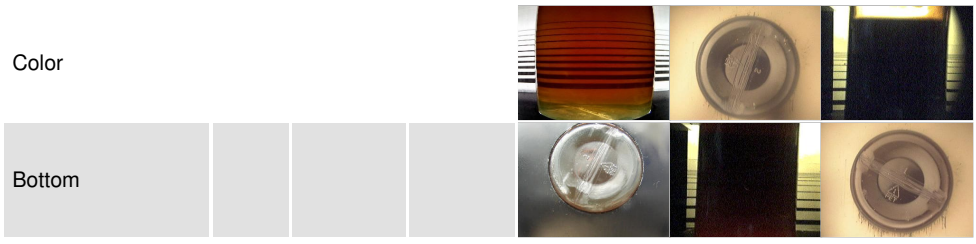
# OIL ANALYSIS REPORT



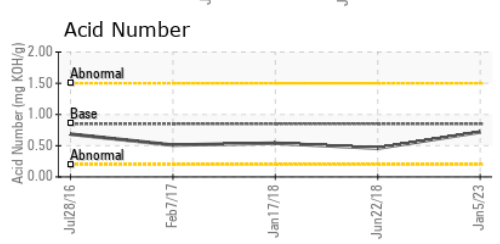
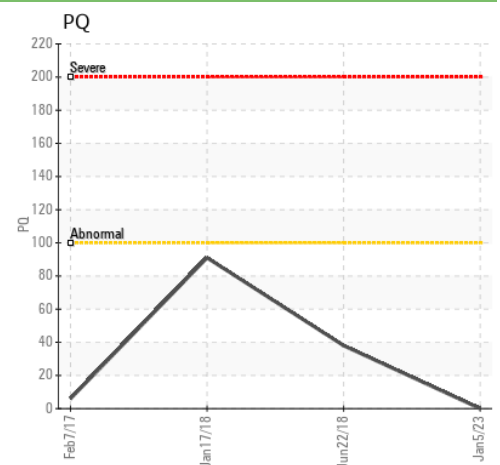
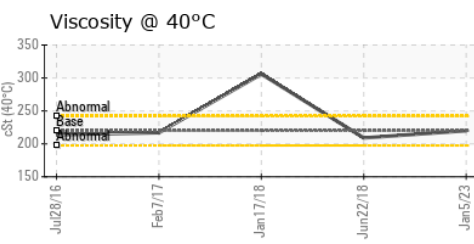
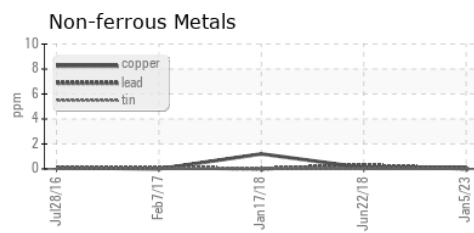
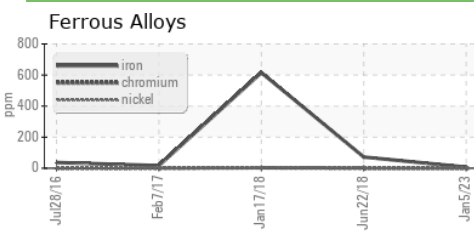
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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 D7279(m)	220	220	209 ▲ 306

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC  
**Lab Number** : 02533141  
**Unique Number** : 5514140  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**ABC Manufacturing**  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.