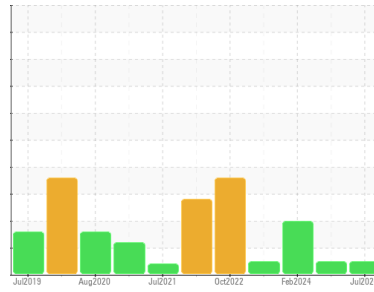




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**#1 NH3 Compressor**  
 Component  
**Screw Compressor**  
 Fluid  
**NOCO NOCOCHILL OIL ISO 68 (700 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### 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>PP</b>	PP	PP
Sample Date	Client Info	<b>04 Jul 2024</b>	09 Apr 2024	21 Feb 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>NORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >60	<b>2</b>	2	2
Chromium	ppm ASTM D5185(m) >4	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m)	<b>&lt;1</b>	0	<1
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) >5	<b>0</b>	0	<1
Lead	ppm ASTM D5185(m) >10	<b>0</b>	0	<1
Copper	ppm ASTM D5185(m) >30	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m) >15	<b>0</b>	0	0
Antimony	ppm ASTM D5185(m)	<b>0</b>	0	0
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)	<b>&lt;1</b>	0	0
Barium	ppm ASTM D5185(m)	<b>2</b>	0	0
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	0
Calcium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Phosphorus	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Zinc	ppm ASTM D5185(m)	<b>4</b>	4	3
Sulfur	ppm ASTM D5185(m)	<b>18</b>	14	3
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

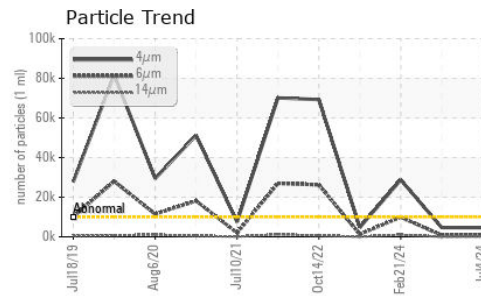
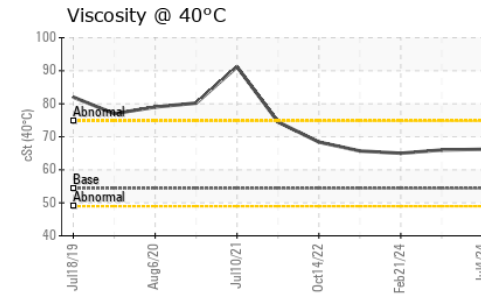
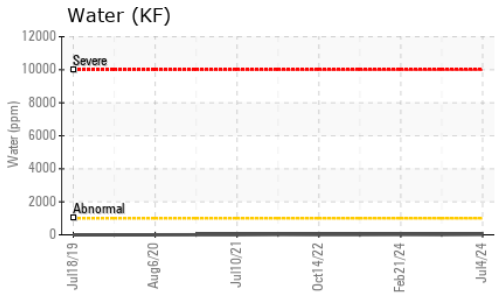
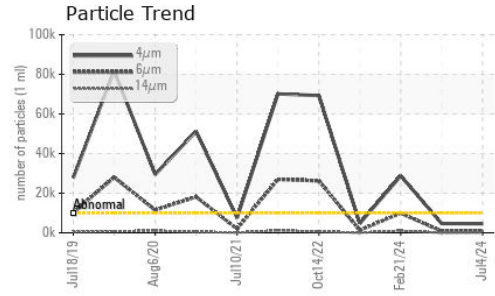
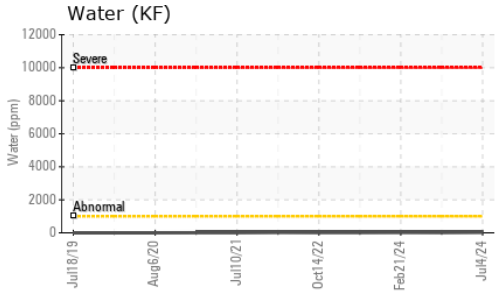
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	<b>0</b>	0	<1
Sodium	ppm ASTM D5185(m)	<b>0</b>	0	0
Potassium	ppm ASTM D5185(m) >20	<b>0</b>	0	<1
Water	% ASTM D6304* >0.1	<b>0.002</b>	0.001	0.001
ppm Water	ppm ASTM D6304* >1000	<b>21</b>	1	12

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>4588</b>	4656	▲ 28729
Particles >6µm	ASTM D7647 >2500	<b>1185</b>	810	▲ 9934
Particles >14µm	ASTM D7647 >320	<b>110</b>	16	▲ 989
Particles >21µm	ASTM D7647 >80	<b>36</b>	3	▲ 261
Particles >38µm	ASTM D7647 >20	<b>4</b>	1	16
Particles >71µm	ASTM D7647 >4	<b>1</b>	1	1
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>19/17/14</b>	19/17/11	▲ 22/20/17



# OIL ANALYSIS REPORT

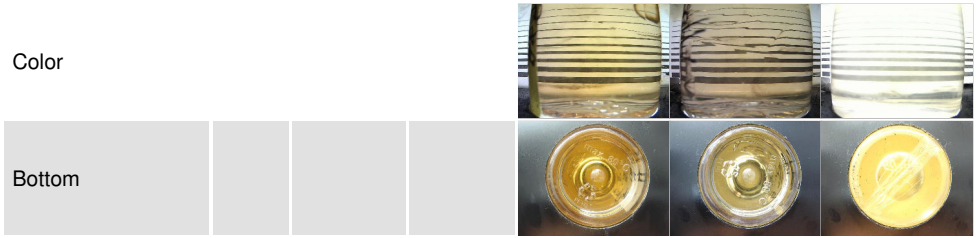


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.02</b>	0.01	0.01

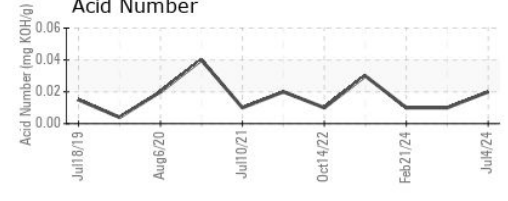
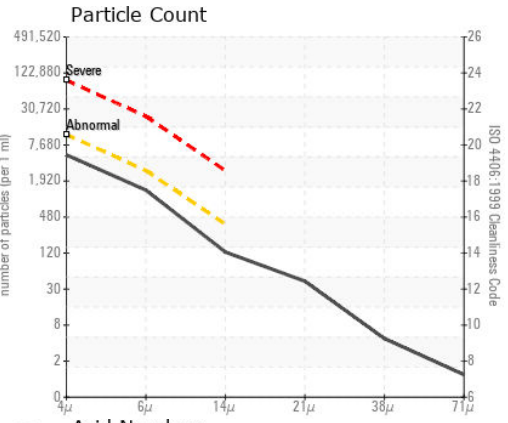
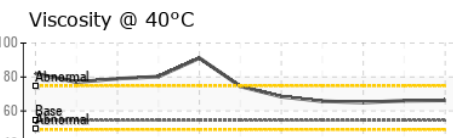
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	54.4	<b>66.2</b>	66.0	65.0

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.** : PP **Received** : 09 Jul 2024  
**Lab Number** : **02646717** **Tested** : 12 Jul 2024  
**Unique Number** : 5812269 **Diagnosed** : 12 Jul 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF )

**MOLSON TORONTO**  
 1 CARLINGVIEW DRIVE  
 TORONTO, ON  
 CA M9W 5E5  
 Contact: Heath Bagby  
 heath.bagby@molsoncoors.com

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.