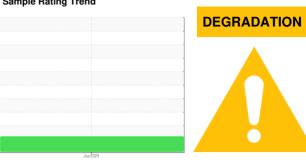


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **BITZER C1** 

Component Compressor

**BITZER BSE 85K (--- GAL)** 

## **DIAGNOSIS**

### Recommendation

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

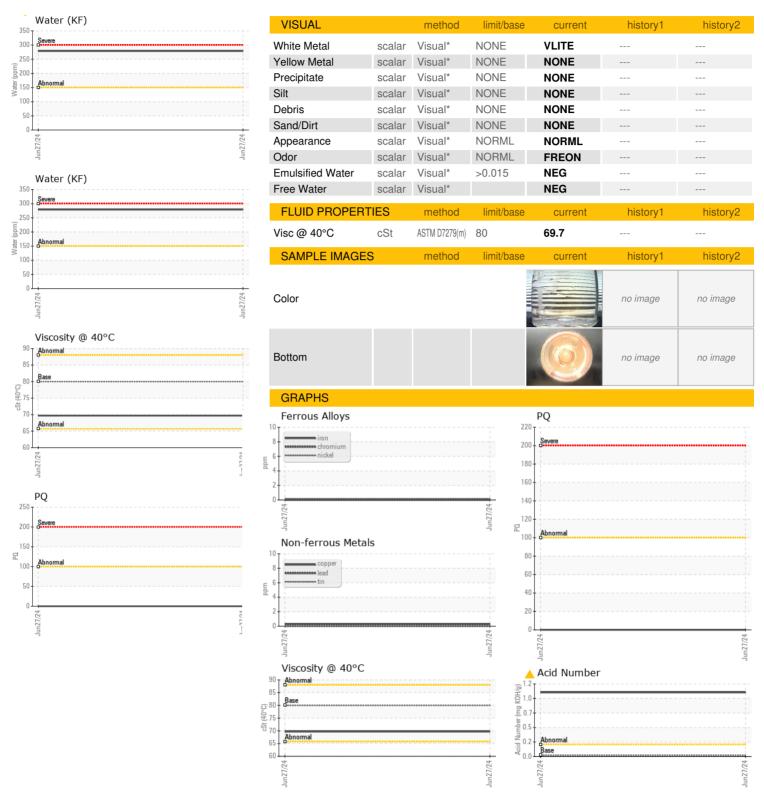
### Fluid Condition

The AN level is above the recommended limit. The oil is no longer serviceable.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0871111		
Sample Date		Client Info		27 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>50	0		
Chromium	ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>15	<1		
Lead	ppm	ASTM D5185(m)	>65	0		
Copper	ppm	ASTM D5185(m)	>65	<1		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	710	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium		ASTM D5185(m)		0		
	ppm	. ,	11 11 11	-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	0	0		
Calcium	ppm	ASTM D5185(m)	0	<1		
Phosphorus	ppm	ASTM D5185(m)	1200	1018		
Zinc	ppm	ASTM D5185(m)	0			
	1-1-	M3 11V1 D3 103(111)	U	2		
Sulfur	ppm	ASTM D5185(m)	0	6		
Sulfur Lithium		( /				
	ppm	ASTM D5185(m)		6		
Lithium	ppm	ASTM D5185(m) ASTM D5185(m)	0	6 <1		
Lithium CONTAMINANTS	ppm ppm	ASTM D5185(m) ASTM D5185(m) method	0 limit/base	6 <1 current	  history1	history2
Lithium  CONTAMINANTS Silicon	ppm ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m)	0 limit/base	6 <1 current	history1	history2
Lithium  CONTAMINANTS  Silicon  Sodium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	0 limit/base >35	6 <1 current 0 0	history1	history2
Lithium  CONTAMINANTS  Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 limit/base >35 >20	6 <1 current 0 0 <1	history1	history2
Lithium  CONTAMINANTS  Silicon  Sodium  Potassium  Water	ppm ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D6304*	0	6 <1 current 0 0 <1 0.027	history1	history2



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Report Id: CON266MIS [WCAMIS] 02645264 (Generated: 07/05/2024 07:35:07) Rev: 1

Sample No.

Laboratory

: WC0871111 Lab Number : 02645264 Unique Number : 5802803

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.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 03 Jul 2024 Tested

: 04 Jul 2024 Diagnosed Test Package : IND 2 ( Additional Tests: KF, TAN MAN )

: 05 Jul 2024 - Kevin Marson

**CONESTOGA COLD STORAGE** 2660 MEADOWPINE BLVD,, DOOR 57, CALL EXT. 2317 MISSISSAUGA, ON **CA L5N 7E6** Contact: Jeremy Koziol

> jkoziol@coldstorage.com T: (519)748-4086 F: (905)567-1844

Validity of results and interpretation are based on the sample and information as supplied.

Contact/Location: Jeremy Koziol - CON266MIS