



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[001323-1]**  
 Machine Id  
**41000047783 RACK D**  
 Component  
**Reciprocating Compressor**  
 Fluid  
**ICI EMKARATE RL 68H (--- GAL)**

## RECOMMENDATION

Please note that there was insufficient sample submitted to perform all assigned tests.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0907730</b>	WC0672544	---
Sample Date		Client Info		<b>20 Feb 2024</b>	01 Mar 2022	---
Machine Age	yrs	Client Info		<b>6</b>	5	---
Oil Age	yrs	Client Info		<b>6</b>	5	---
Filter Age	yrs	Client Info		<b>1</b>	1	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>4</b>	10	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>50	<b>3</b>	3	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

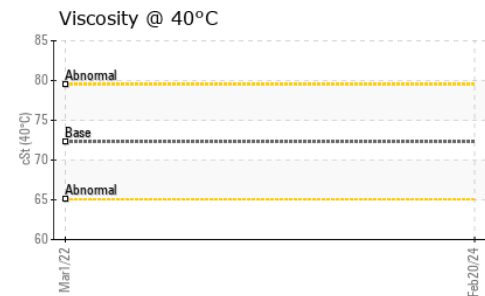
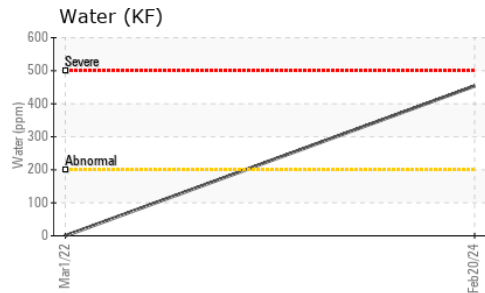
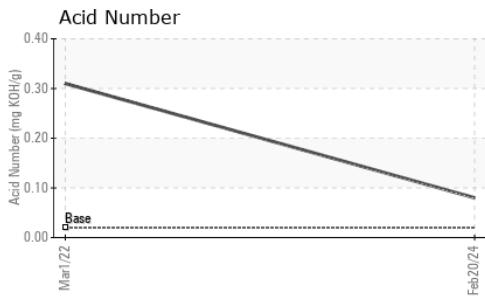
Insufficient sample was received to conduct all the routine laboratory tests.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water	%	ASTM D6304*	>0.02	<b>0.045</b>	---	---
ppm Water	ppm	ASTM D6304*	>200	<b>454</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service (unconfirmed).

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	2	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Phosphorus	ppm	ASTM D5185(m)	1900	<b>1180</b>	1230	---
Zinc	ppm	ASTM D5185(m)	0	<b>2</b>	4	---
Sulfur	ppm	ASTM D5185(m)	25	<b>33</b>	2	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	<b>0.08</b>	0.31	---
Visc @ 40°C	cSt	ASTM D7279(m)	72.3	<b>---</b>	64.7	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0907730  
**Lab Number** : 02617280  
**Unique Number** : 5734390  
**Test Package** : TEST ( Additional Tests: ICP, KF, KV40, TAN Man )

**Received** : 21 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 27 Feb 2024 - Kevin Marson

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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.