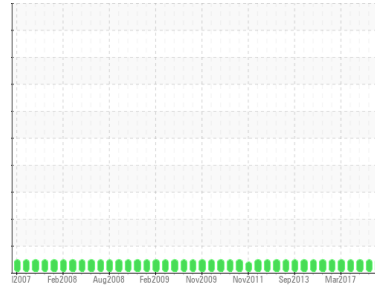




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**DIAMINE**  
 Machine Id  
**#422 - Activation Compressor (S/N X1XK918)**  
 Component  
**Circulating Reciprocating Compressor**  
 Fluid  
**ESSO TERESSTIC ISO 100 (23 LTR)**

## DIAGNOSIS

### Recommendation

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

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0811996</b>	WC969298	WC969289
Sample Date	Client Info		<b>05 Jan 2024</b>	12 Feb 2020	31 May 2019
Machine Age	mths	Client Info	<b>0</b>	0	0
Oil Age	mths	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	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	<b>0</b>	0	0
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	<1	0
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) >25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	7	6
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	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

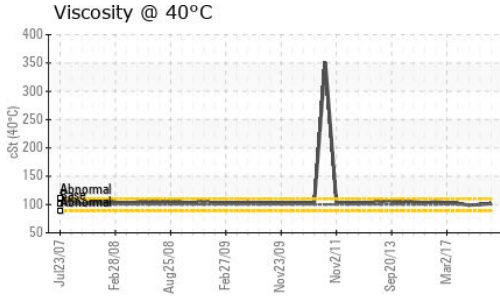
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) .2	<b>0</b>	<1	0
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m) 1.2	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m) .2	<b>0</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m) 2.4	<b>&lt;1</b>	2	2
Zinc	ppm	ASTM D5185(m) 1.9	<b>2</b>	2	1
Sulfur	ppm	ASTM D5185(m) 2250	<b>2199</b>	3053	3167
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>1</b>	2	2
Sodium	ppm	ASTM D5185(m)	<b>0</b>	<1	1
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	8	11



# 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	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

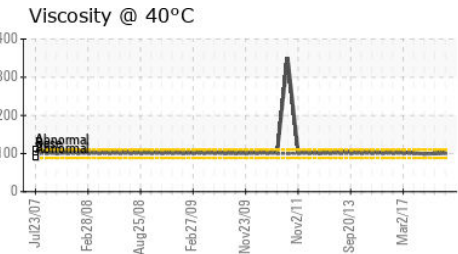
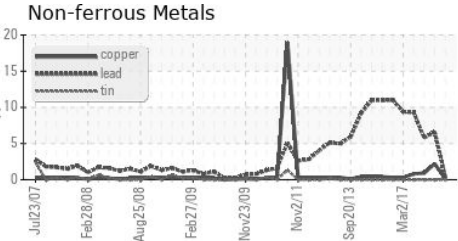
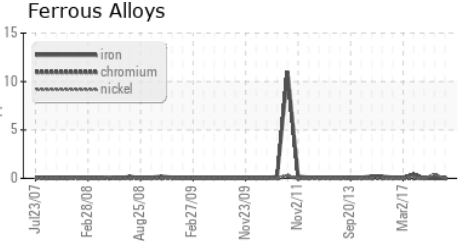
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	100	102	100

SAMPLE IMAGES	method	limit/base	current	history1	history2
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**Color**

**Bottom**

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0811996 **Recieved** : 10 Jan 2024  
**Lab Number** : 02607835 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 5708921 **Diagnostician** : Wes Davis  
**Test Package** : IND 1

**INVISTA**  
 1400 COUNTY ROAD # 2 EAST  
 MAITLAND, ON  
 CA K0E 1P0  
 Contact: Shaun Wilkinson  
 Shaun.Wilkinson@invista.com  
 T: (613)348-4447  
 F: (613)348-3180

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.