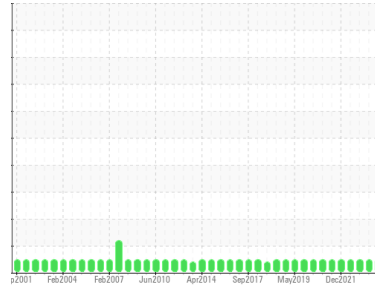




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**FILMS DEPARTMENT SAMPLES**  
 Machine Id  
**EGAN 2C (S/N 503243A)**

Component  
**Gearbox**  
 Fluid  
**TEXACO REGAL OIL R&O 220 (40 GAL)**

## 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 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>WC0869566</b>	WC0757269	WC0757211
Sample Date	Client Info			<b>20 Nov 2023</b>	04 Apr 2023	08 Feb 2023
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	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>26</b>	17	9
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>200	<b>7</b>	6	1
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>3</b>	2	0
Barium	ppm	ASTM D5185m	0	<b>5</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>5</b>	3	0
Calcium	ppm	ASTM D5185m	0	<b>13</b>	13	2
Phosphorus	ppm	ASTM D5185m	0	<b>190</b>	174	85
Zinc	ppm	ASTM D5185m	0	<b>18</b>	21	7
Sulfur	ppm	ASTM D5185m	4046	<b>9097</b>	8506	2885

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>9</b>	9	30
Sodium	ppm	ASTM D5185m		<b>3</b>	1	1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0

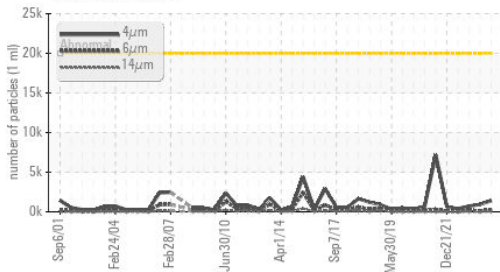
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>1401</b>	931	724
Particles >6µm		ASTM D7647	>5000	<b>214</b>	114	182
Particles >14µm		ASTM D7647	>640	<b>25</b>	11	26
Particles >21µm		ASTM D7647	>160	<b>5</b>	1	5
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>18/15/12</b>	17/14/11	17/15/12

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.51</b>	0.54	0.20

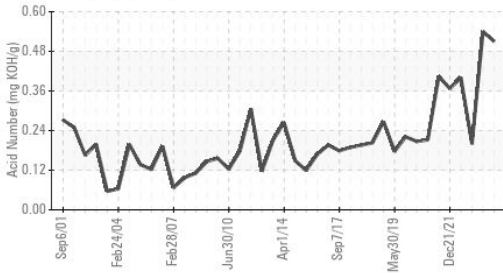


# OIL ANALYSIS REPORT

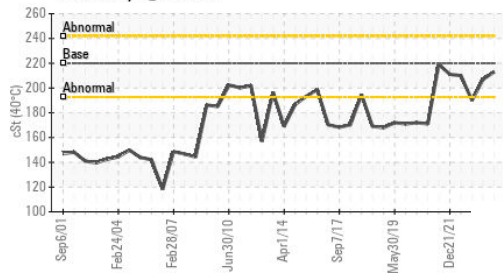
### Particle Trend



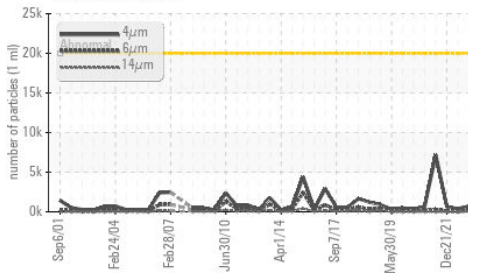
### Acid Number



### Viscosity @ 40°C



### Particle Trend

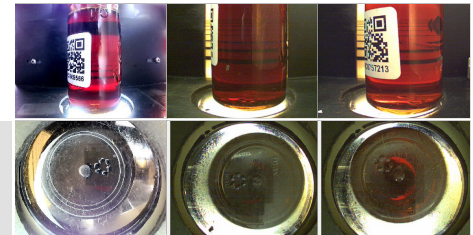


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	213	207	190

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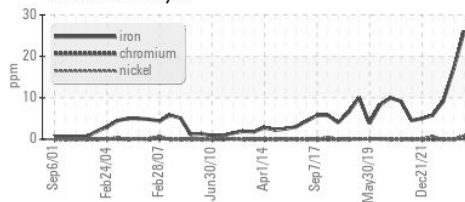
### Color



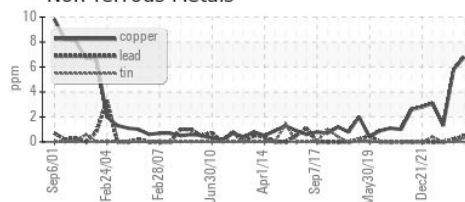
### Bottom

## GRAPHS

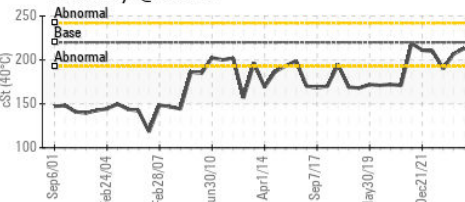
### Ferrous Alloys



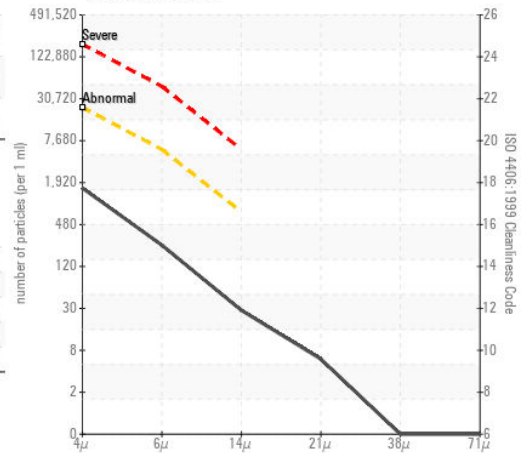
### Non-ferrous Metals



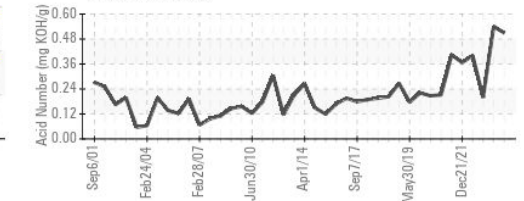
### Viscosity @ 40°C



### Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0869566 **Received** : 21 Nov 2023  
**Lab Number** : 06014005 **Diagnosed** : 24 Nov 2023  
**Unique Number** : 10753149 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**SEALED AIR CORP - CRYOVAC DIVISION**  
 1301 WEST MAGNOLIA AVE  
 IOWA PARK, TX  
 US 76367  
 Contact: KEVIN KETCHERSID  
 kevin.a.ketchersid@sealedair.com  
 T: (940)592-2111  
 F: (940)592-2513

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)