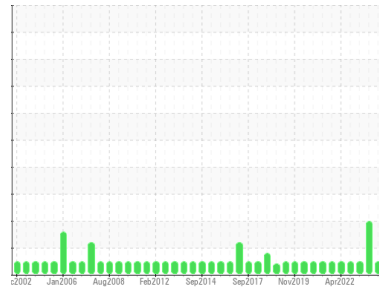




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**FILMS DEPARTMENT SAMPLES**  
 Machine Id  
**DAVIS STAND 1A (S/N K0592)**  
 Component  
**Gearbox**  
 Fluid  
**TEXACO REGAL OIL R&O 220 (25 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.  
 NOTE: one of two samples received with same ID and sampling date.

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### 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>WC0821051</b>	WC0821048	WC0757266
Sample Date	Client Info			<b>23 Apr 2024</b>	08 Oct 2023	04 Apr 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>	ABNORMAL	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>3</b>	2	3
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>12</b>	11	7
Tin	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	2	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>13</b>	12	13
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	0
Calcium	ppm	ASTM D5185m	0	<b>6</b>	11	8
Phosphorus	ppm	ASTM D5185m	0	<b>214</b>	212	224
Zinc	ppm	ASTM D5185m	0	<b>34</b>	21	26
Sulfur	ppm	ASTM D5185m	4046	<b>7750</b>	6584	7704

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>6</b>	7	8
Sodium	ppm	ASTM D5185m		<b>3</b>	1	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1

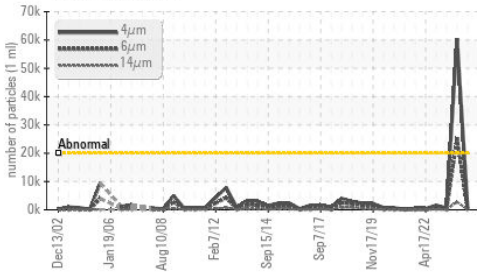
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>762</b>	▲ 60386	659
Particles >6µm		ASTM D7647	>5000	<b>190</b>	▲ 25180	237
Particles >14µm		ASTM D7647	>640	<b>23</b>	▲ 2797	43
Particles >21µm		ASTM D7647	>160	<b>3</b>	▲ 730	5
Particles >38µm		ASTM D7647	>40	<b>0</b>	20	1
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>17/15/12</b>	▲ 23/22/19	17/15/13

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.63</b>	0.53	0.53

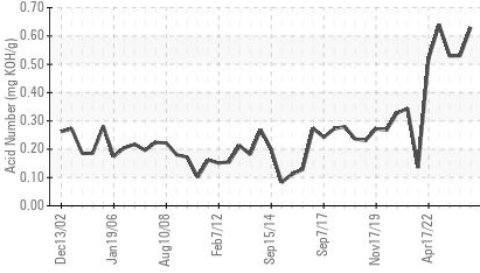


# OIL ANALYSIS REPORT

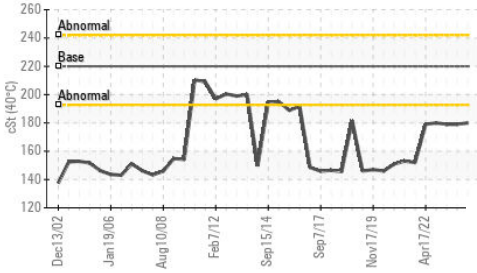
Particle Trend



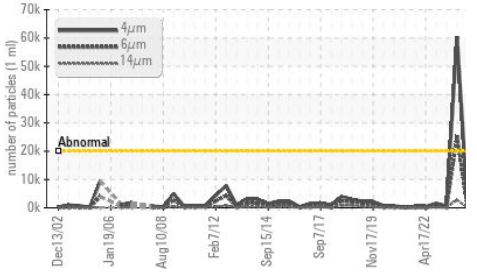
Acid Number



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

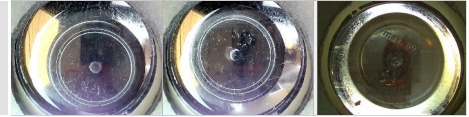
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	180	179

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

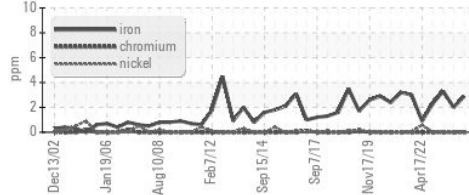


Bottom

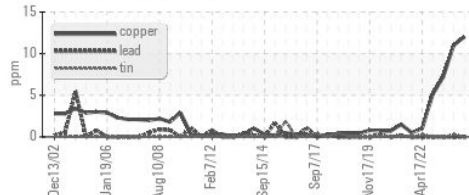


## GRAPHS

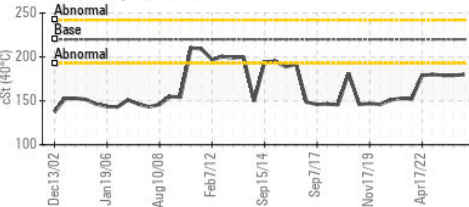
Ferrous Alloys



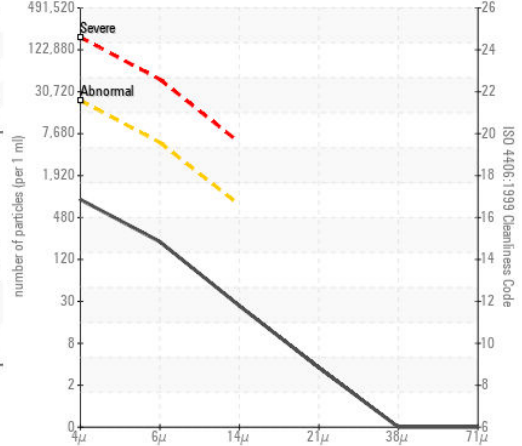
Non-ferrous Metals



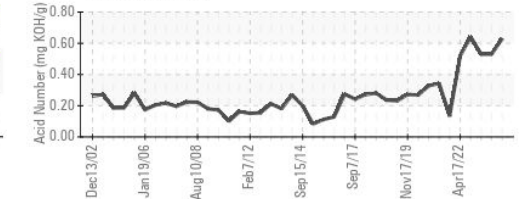
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0821051

Lab Number : 06159051

Unique Number : 10994474

Test Package : IND 2 ( Additional Tests: PrtCount )

Received : 24 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 25 Apr 2024 - Don Baldrige

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)