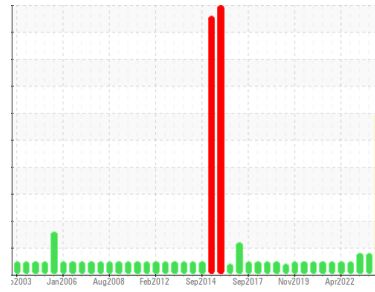




PROBLEM SUMMARY

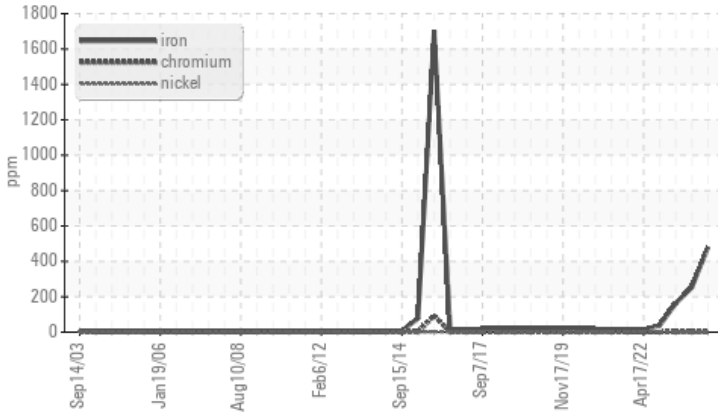
Area
FILMS DEPARTMENT SAMPLES
 Machine Id
DAVIS STAND 7C (S/N R5642)
 Component
Gearbox
 Fluid
TEXACO REGAL OIL R&O 220 (40 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>200	▲ 480	▲ 254	● 163

Customer Id: CRYIOW
 Sample No.: WC0869577
 Lab Number: 06159056
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

WEAR



08 Oct 2023 Diag: Don Baldrige

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



WEAR



04 Apr 2023 Diag: Don Baldrige

No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the iron level is noted. All other component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



NORMAL



30 Oct 2022 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

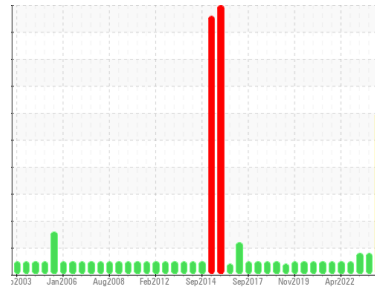
view report





OIL ANALYSIS REPORT

Sample Rating Trend



Area
FILMS DEPARTMENT SAMPLES
 Machine Id
DAVIS STAND 7C (S/N R5642)
 Component
Gearbox
 Fluid
TEXACO REGAL OIL R&O 220 (40 GAL)

DIAGNOSIS

Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level is severe. Gear wear is indicated.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0869577	WC0821041	WC0757283
Sample Date	Client Info			23 Apr 2024	08 Oct 2023	04 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ATTENTION

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	▲ 480	▲ 254	● 163
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>200	40	34	32
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

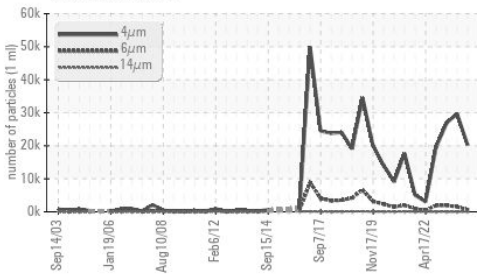
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	2	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	2	2
Manganese	ppm	ASTM D5185m		6	4	3
Magnesium	ppm	ASTM D5185m	0	2	1	3
Calcium	ppm	ASTM D5185m	0	10	12	10
Phosphorus	ppm	ASTM D5185m	0	118	126	120
Zinc	ppm	ASTM D5185m	0	15	3	19
Sulfur	ppm	ASTM D5185m	4046	10203	9431	10077

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	1	2
Sodium	ppm	ASTM D5185m		13	13	11
Potassium	ppm	ASTM D5185m	>20	0	0	1

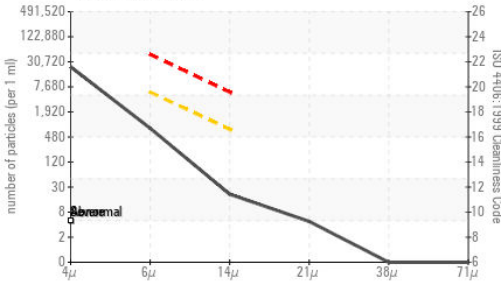
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		20231	29696	26895
Particles >6µm		ASTM D7647	>5000	683	1493	1968
Particles >14µm		ASTM D7647	>640	18	34	65
Particles >21µm		ASTM D7647	>160	4	8	7
Particles >38µm		ASTM D7647	>40	0	1	0
Particles >71µm		ASTM D7647	>10	0	1	0
Oil Cleanliness		ISO 4406 (c)	>--/19/16	22/17/11	22/18/12	22/18/13

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	0.620	0.72

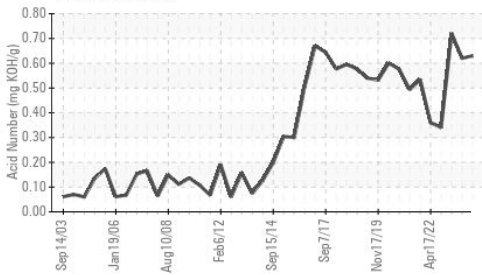
Particle Trend



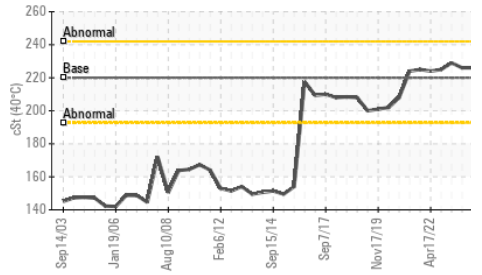
Particle Count



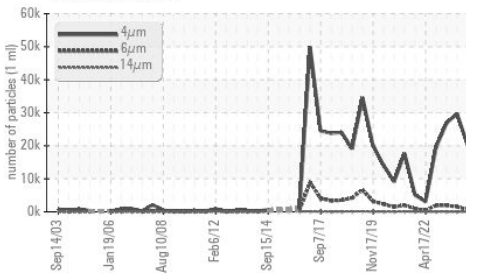
Acid Number



Viscosity @ 40°C



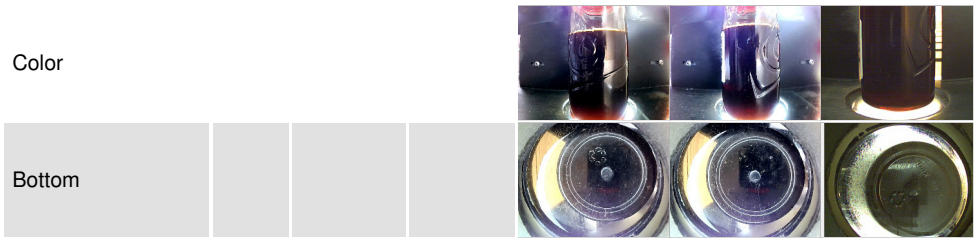
Particle Trend



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

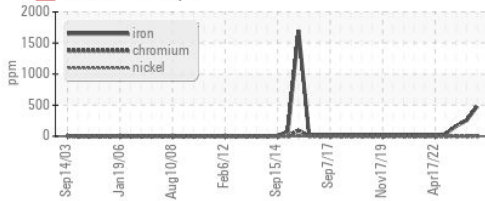
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	226	229

SAMPLE IMAGES	method	limit/base	current	history1	history2
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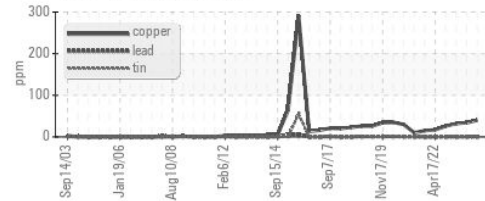


GRAPHS

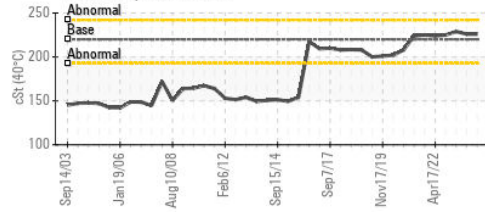
▲ Ferrous Alloys



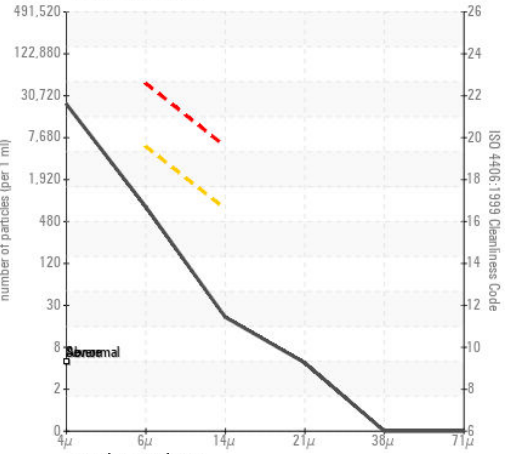
Non-ferrous Metals



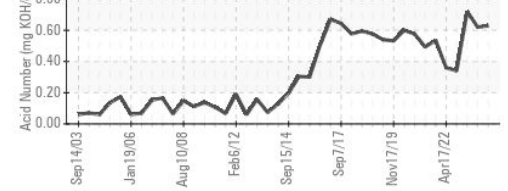
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0869577 **Received** : 24 Apr 2024
Lab Number : 06159056 **Tested** : 25 Apr 2024
Unique Number : 10994479 **Diagnosed** : 25 Apr 2024 - Don Baldrige
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

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)