



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	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
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ATTENTION

WEAR

The iron level is severe. Gear wear is indicated.

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
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

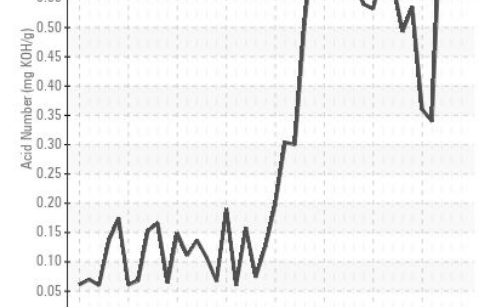
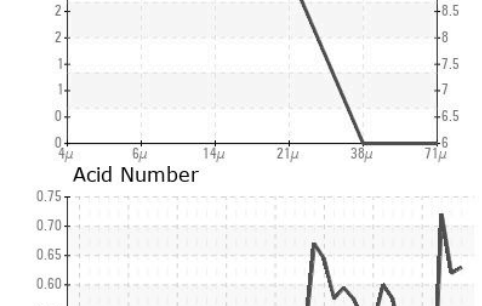
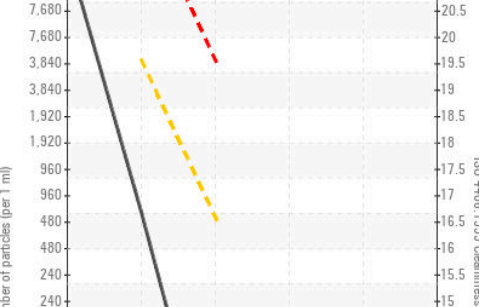
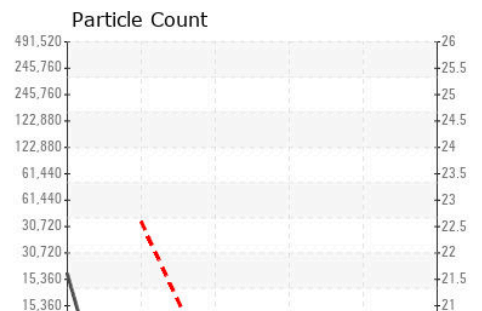
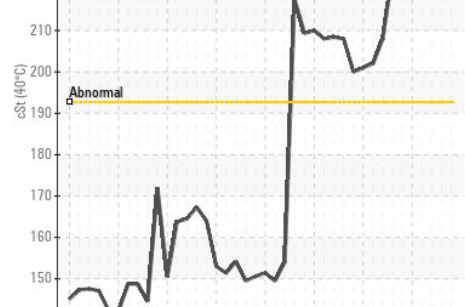
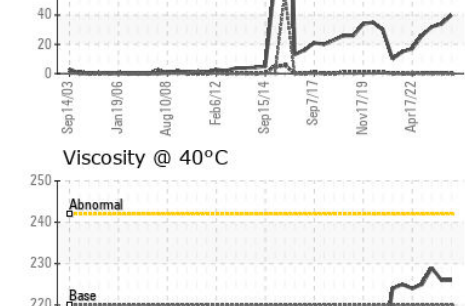
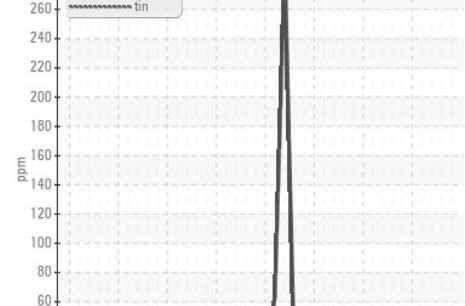
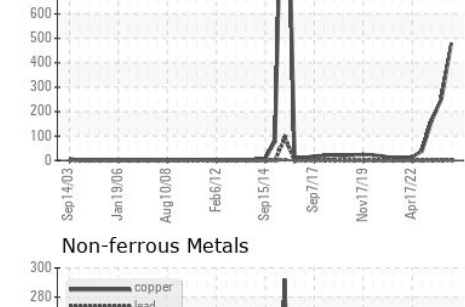
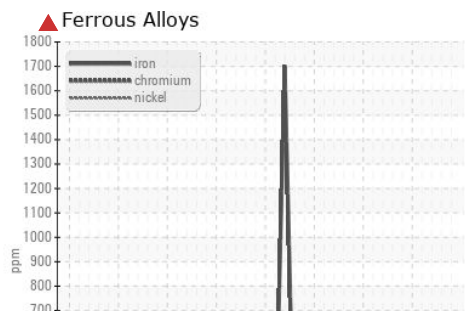
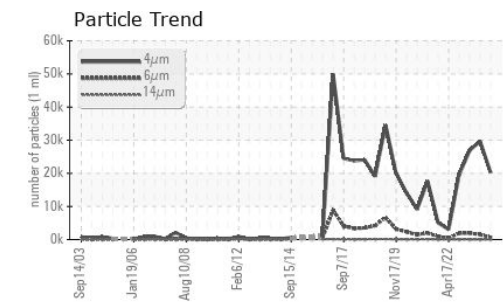
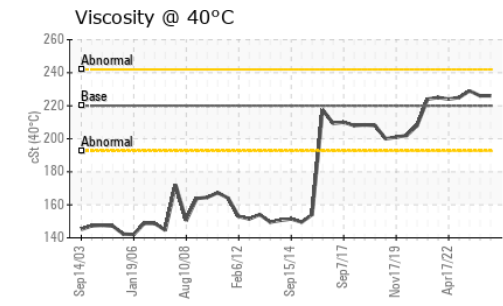
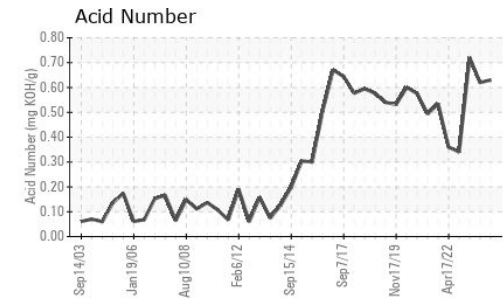
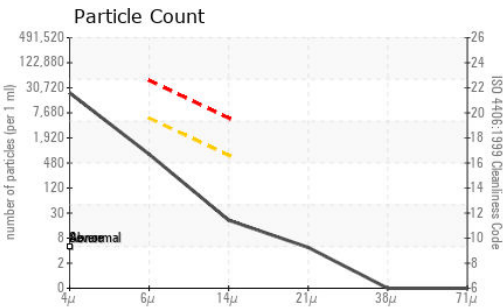
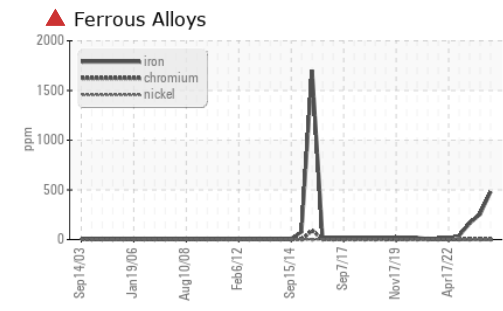
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>50	<1	1	2
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
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
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		13	13	11
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
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	0.620	0.72
Visc @ 40°C	cSt	ASTM D445	220	226	226	229



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
 T: (940)592-2111
 F: (940)592-2513

Certificate L2367
 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)